Institute of Science Tokyo

School of Science
School of Engineering
School of Materials and Chemical Technology
School of Computing
School of Life Science and Technology
School of Environment and Society

Application Guide for

International Graduate Program(C)

commencing in Spring 2026

Tokyo Institute of Technology (Tokyo Tech) and Tokyo Medical and Dental University (TMDU) were integrated to become "Institute of Science Tokyo" as of October 1, 2024.

August, 2025

Institute of SCIENCE TOKYO

Contents

Application Schedule

Enrollment Date: **April 1, 2026**
Number of Students Admitted: Several students for each department
Degree Program Offered: **Master's Program, Doctoral Program,** and **Integrated Doctoral Education Program**

Application period	August 4, 2025 – October 12, 2025
Deadline for consent mail/letter submission	October 5, 2025 at 23:59 (JST)
Deadline for application	October 12, 2025 at 23:59 (JST)
Result notification	December 3, 2025 at 15:00 (JST)

1. General Prospectus

Originating at Tokyo Institute of Technology (Tokyo Tech) in 2007, the International Graduate Program offers qualified international students, who may have little or no knowledge of the Japanese language, an opportunity to enroll in master's programs, doctoral programs, and Integrated Doctoral Education Programs conducted entirely in English. There are two periods for enrollment in this program: spring and fall.

With a diverse group of 18 departments participating in IGP(C), students should be able to find a department in which to further their research, acquire broader knowledge and understanding, and conduct advanced long-term research in a field that best matches their interests and background.

However, students are given opportunities to attend Japanese language classes on a regular basis in order to better adapt to daily life in Japan.

2. Programs

This recruitment prospectus relates to Master's and Doctoral Programs scheduled to begin in **April 1, 2026.**

1) Master's Program

Students enrolled in the Master's Program are expected to successfully complete their supervised studies within two years. To attain a master's degree, students need to earn the designated number of credits outlined by their department in a predetermined program of study, complete and receive approval of their research thesis, and pass a comprehensive final examination. Students who demonstrate outstanding academic performance during the program may be able to reduce their period of study.

2) Doctoral Program

Students enrolled in the Doctoral Program are expected to successfully complete their supervised study within three years. To attain a doctoral degree, students need to earn the designated number of credits outlined by their department in a predetermined program of study, complete and receive approval of their research thesis, and pass a comprehensive final examination. Students who demonstrate outstanding academic and research performance during the program may be able to reduce their period of study. The Graduate Major in Materials and Information Sciences and the Graduate Major in Super Smart Society are offered under IGP(C), for which only the Doctoral Program is available.

3) Integrated Doctoral Education Program

This is a combined Master's and Doctoral Program, and is considered to be one continuous course of study, which cannot be divided into two separate programs. In the master's segment, students who demonstrate outstanding academic performance may be able to reduce their period of study. Similarly, in the doctoral segment, students who demonstrate outstanding academic and research performance during the program may be able to reduce their period of study. Such students may be able to complete the entire Master's and Doctoral Program in the minimum period of three years.

Conventionally, in a Japanese postgraduate program, students studying for a

master’s degree must take 30 credits or more within a two-year period. For a doctoral degree, students must take 24 credits or more within an additional three years of study following a master’s program. The Integrated Doctoral Education Program requires students to enroll in the Science Tokyo Master’s Program, regardless of whether or not they have already earned a master’s degree. A maximum of 15 previously earned credits from a graduate school may be transferred to Science Tokyo upon approval. The Graduate Major in Earth-Life Science is the only graduate major offered under IGP(C) for which the Integrated Doctoral Education Program is available.

List of Departments Participating in IGP(C)

Applicants are required to specify their intended department from the list below:

School	Department	Degree program offered			Faculty List (Appendix)
		M	D	M + D	
School of Science	Mathematics		●		Page 1
	Physics	●	●		Page 2
	Chemistry		●		Page 4
	Earth and Planetary Sciences	●	●	●	Page 5
School of Engineering	Mechanical Engineering	●	●		Page 6
	Systems and Control Engineering	●	●		Page 9
	Electrical and Electronic Engineering	●	●		Page 10
	Information and Communications Engineering	●	●		Page 12
	Industrial Engineering and Economics	●	●		Page 14
School of Materials and Chemical Technology	Materials Science and Engineering	●	●		Page 15
	Chemical Science and Engineering	●	●	●	Page 18
School of Computing	Mathematical and Computing Science	●	●		Page 21
	Computer Science	●	●		Page 22
School of Life Science and Technology	Life Science and Technology	●	●	●	Page 24
School of Environment and Society	Architecture and Building Engineering	●	●		Page 28
	Civil and Environmental Engineering	●	●		Page 30
	Transdisciplinary Science and Engineering	●	●		Page 32
	Social and Human Sciences		●		Page 35

3. Eligibility

Applicants who satisfy one of the conditions provided in A or B below.

Please note that applicants **may NOT** (i) apply to a different Science Tokyo program before receiving admission results or (ii) submit multiple applications to different master's programs for the same enrollment period. Applications in either of the above two cases will be rejected or revoked.

A. Master's Program / Integrated Doctoral Education Program

(1) Persons who have successfully completed 16 years of education outside Japan or who are expected to do so by the day before the enrollment date

(2) Persons who have graduated from a university or college in Japan or who are expected to do so by the day before the enrollment date.

(3) Persons who have successfully completed 3 years or more of education at a university or college outside Japan and obtained a degree equivalent to a bachelor's degree or who are expected to do so by the day before the enrollment date

(4) Persons who have successfully completed 15 years of education and are individually assessed and recognized by the relevant School at Science Tokyo as having an outstanding academic record

(5) Persons whose countries do not require 16 years of education prior to completing an undergraduate-level education but who satisfy both conditions noted below and are individually assessed and recognized by the relevant School at Science Tokyo as having academic ability equivalent to or higher than that of graduates of a Japanese university

a. Persons who have spent at least one year as a research student or research fellow at a university or research institution in or outside Japan after successfully completing undergraduate-level education

b. Persons who are at least 22 years old by the day before the enrollment date

B. Doctoral Program

(1) Persons who have successfully obtained a degree equivalent to a master's degree or a professional master’s degree at a university or college outside Japan or who are expected to do so by the day before the enrollment date

(2) Persons who have obtained a master's degree or a professional master’s degree in Japan or who are expected to do so by the day before the admission date

(3) Persons who do not meet eligibility conditions (1) or (2) but are individually assessed and recognized by the relevant School at Science Tokyo as having academic abilities equivalent to or higher than that of a master's degree or professional master’s degree holder and are at least 24 years old by the day before the enrollment date

Note: The admission of applicants expecting to obtain a bachelor’s degree, master’s degree or professional master’s degree from a university or college will be revoked should the applicant fail to do so by the day before the admission date.

Individual Assessment of Admission Eligibility

Applicants who fall under eligibility conditions A(3), A(4), A(5), or B(3) must contact the Admissions Division before proceeding with the online application, and ask if they need to go through the Individual Assessment of Admission Eligibility or submit the relevant documents.

Applicants who submit an application for Individual Assessment of Admission Eligibility will be informed of the result around **mid-November 2025**.

Applicants with Japanese nationality

Japanese citizens who satisfy the above conditions and have a visa* that enables them to stay for a long period in the country where they currently live, may apply for this program. Applicants who are Japanese citizens should consult the Admissions Division prior to application.

*Permanent residence, student visa, work visa, etc. (Working holiday visas,

tourist visas, short-term stay visas, etc. are not valid for the purpose of applying for this program.)

Applicants from the Graduate School of Medical and Dental Sciences at Science Tokyo

Master's students affiliated with the Graduate School of Medical and Dental Sciences at Science Tokyo should consult the Admissions Division prior to application.

Note: The admission of applicants expecting to graduate from a university or college or obtain a master's or professional master's degree will be revoked should the applicant fail to do so **by the day before the enrollment date.**

4. Application Process

Prior to application, applicants are required to contact their intended academic supervisor at Science Tokyo directly via email, provide a self-introductory statement and a letter of intent for their period of study at Science Tokyo, and obtain the consent of the desired faculty member to serve in this capacity. Applications will not be considered without the consent of a Science Tokyo faculty member who will act as the applicant's academic supervisor.

Before proceeding with the online application process, applicants must obtain a consent email or letter from a Science Tokyo faculty member, and send a copy of it to the Admissions Division by **October 5, at 23:59 (JST)**. After verifying the document, the Admissions Division will provide applicants with a URL for the online application system and a required password.

Note: Faculty members are affiliated with Schools and assigned to teach a graduate major. Students must select **a graduate major** from the faculty list. Please ask your intended academic supervisor which graduate major you should select. Requirements for the completion of a degree are stipulated for each graduate major.

Find your Academic Supervisor

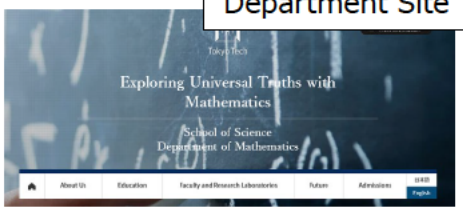
Please refer the chart below for the procedure to find your academic supervisor and relevant contact information. Some academic supervisors may require the submission of additional documents before the stated deadline.

STEP 1

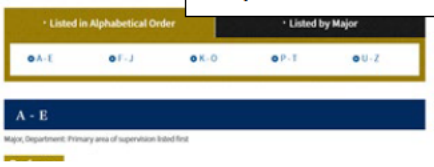
Access your intended department website and confirm the potential academic supervisor's major and research fields.

Department List

Department Site

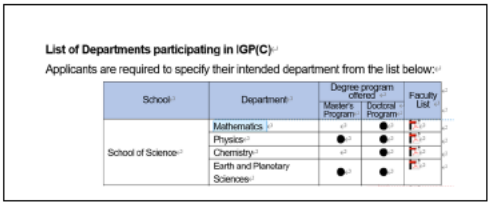


Faculty List on Department Site



STEP 2

Check this Application Guide to confirm that the researcher is on the faculty list for your intended IGP.



List of Departments participating in IGP(C)

Applicants are required to specify their intended department from the list below:

School	Department	Degree program offered: Master's Program	Degree program offered: Doctoral Program	Faculty List
School of Science	Mathematics		●	
	Physics	●	●	
	Chemistry		●	
	Earth and Planetary Sciences	●	●	

List of Faculties
Tokyo Institute of Technology International Graduate Program (C)
Commencing in September 2021

School of Science
(1) Dept. of Mathematics

STEP 3

Use Science Tokyo's research database "Star Search" to find faculty member contact and other information.

How to Apply

Before Application

1

Gather information on Science Tokyo websites

Find degree programs and research fields of interest, and search for possible academic supervisors. Make sure to look at the IGP application schedule.

2

Check eligibility for each program

If you need to go through the Individual Assessment of Admission Eligibility*, please contact the Admissions Division at inquiries.int.grad.se@adm.isct.ac.jp.

(*Application form is required. See step 5.)

3

Contact an intended academic supervisor

Obtain a consent email/letter from your intended academic supervisor to be accepted to their lab. Submit your CV, transcripts, English test score, etc. as requested.

4

Email a copy of the consent email/letter to the Admissions Division

Send a copy of the consent email/letter to inquiries.int.grad.se@adm.isct.ac.jp so that it arrives no later than the deadline stated below. You will receive a **URL** and **token** required to access the online application system **in about a week**.

Submission deadline: **October 5, 2025 at 23:59 (JST)**

5

Prepare application documents

1. ID photo
2. Consent email/letter from Science Tokyo faculty member
3. Field of study and study program (★)
4. Summary of thesis (free format)
5. A copy of your passport or Japanese residence card
6. Verification of application fee payment
7. Academic transcripts
8. Certificate of graduation
9. Certificate of degree
10. Evaluation sheet with recommendation (★)

Application for Individual Assessment of Admission Eligibility (★)

Application for scholarship (See 7. Scholarship)

★ Designated formats can be downloaded from each IGP program page

Application via Online System

6

Complete the submission of application documents

Access the online application system with the URL and token notified by the Admissions Division.

Online Application System

Fill out the online form and complete the submission of application documents no later than **October 12, 2025 at 23:59 (JST)**

7

Email copies to the Admissions Division

Send a copy of the printed response, the submission confirmation screen, and the submission completion screen to igp.supportdoc-submission@adm.isct.ac.jp by the deadline stated below.

Submission deadline: **October 12, 2025 at 23:59 (JST)**

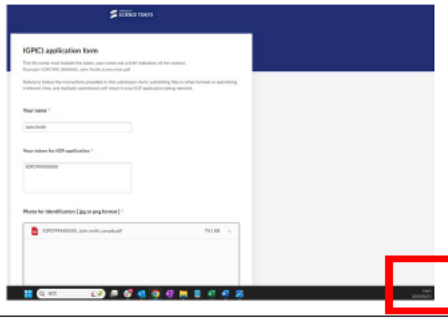
printed response


IGP(C) spring 2026 application form
*Enter everything in English.

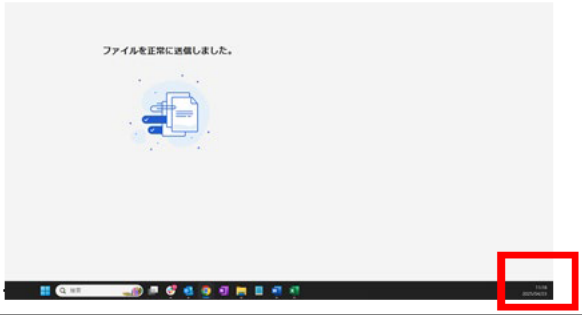
Token

Pledge and Agreement

Submission confirmation screen
Submit a screenshot showing the date.


IGP(C) application form

Submission completion screen
Submit a screenshot showing the date.



Note:
Processing or editing of images is prohibited.
Enter the token in the title of the email.
Do not include any text in the body of the email, as we will not reply.

8

Application process is completed

The Admissions Division reviews application documents and confirms the receipt of application to each applicant via email.

Application Documents

Application documents to be submitted by applicants

Prior to accessing the online application system, applicants must make sure that all of the following documents are prepared for online submission.

No.	Required Documents
1	**ID photo** Photograph taken within the past six months. The file must be less than 2MB, 350 (height) X 290 (width) pixels with a resolution of more than 300 dpi. The photo should be in color with no background and must provide a clear, front view of the applicant's entire face.
2	**Consent of a Science Tokyo faculty member** Electronic or scanned data of consent mail or letter to verify that a Science Tokyo faculty member has consented to act as academic supervisor during the intended period of study at Science Tokyo. The document must include the applicant's name, enrollment period, intended IGP, and intended program. (This document must be emailed to the Admissions Division prior to accessing the online application system no later than **October 5, 2025 at 23:59 (JST)**. Applicant will then receive a URL and token required to access the online application system.)
3	**Field of study and study program** [research proposal] （★） ★Designated formats can be downloaded from each IGP program page
4	**Summary of thesis or research** 1) For applicants of the Master's program and Integrated Doctoral Education Program: an outline of your study or research in your undergraduate course. 2) For applicants of the Doctoral program: a summary of thesis. (Those who have not written a master's thesis must submit a summary of master's program research) (Applicants for the Doctoral program under eligibility condition B (3) are not required to submit this)
5	**Applicant's passport** Electronic or scanned data of the page(s) with the applicant's name, nationality, date of birth, and photo *Applicants residing in Japan must submit a Japanese residence card. *Japanese applicants must also submit passport pages that show visas obtained in the country where they live.

6	**Payment verification of application fee (entrance examination fee): JPY 30,000** Applicants must pay the application fee online at E-Shiharai Net, using a credit card within the application fee payment period. Save a “Payment Verification” page that appears at the end of the payment process as a PDF file. A system usage fee will be charged in addition to the application fee. Applicant who is a Japanese Government (MEXT) Scholarship student is not required to pay this fee. In that case, please submit documents to verify applicant’s scholarship status (受給証明書). The application fee is non-refundable. However, the application fee may be refunded in the following cases, with bank remittance or transaction handling fees borne by the applicant. 1. Applicants paid the application fee but did not submit the application documents 2. Applications could not be processed due to lacking necessary documents, etc. 3. Applicants will receive the MEXT Scholarship and enroll at Science Tokyo Payment Period: **August 4, 2025 – October 12, 2025**
7	**Official academic transcripts** 1) For applicants of the Master’s program and Integrated Doctoral Education Program: academic transcripts for the undergraduate programs 2) For applicants of the Doctoral program: academic transcripts for the master’s programs 3) For applicants of the Doctoral Programs of the following departments: academic transcripts from **both** undergraduate and graduate academic institutions attended: ・Mathematics・Physics・Chemistry・Earth and Planetary Sciences ・Mechanical Engineering・Systems and Control Engineering ・Electrical and Electronic Engineering ・Chemical Science and Engineering ・Mathematical and Computing Science・Computer Science 4) If the applicant’s grades have not been reflected due to a difference in evaluation systems at the university in which he/she was enrolled and his/her current university (including Tokyo Tech or TMDU) -- such as those involving transfer, exemptions, etc. -- the transcripts from the original institute(s) that granted the credits should also be submitted.

8	**Certificate confirming graduation or expected graduation issued from applicant's previous or current university** The documentation must verify the applicant's eligibility for admission, and must include his/her name, confirm graduation (or expected graduation), and include the date of graduation. If the applicant graduated or is graduating early or has skipped a grade or year, an official document or letter issued by the university indicating as such must be submitted.
9	**Certificate confirming degree or expected degree issued from applicant's previous or current university** The documentation must verify the applicant's degree (or expected degree), and must include the recipient's name, confirm the degree awarded, and include the date issued and the degree program taken.

Note:
Documents 7 & 8 & 9:
Documents written in a language other than English or Japanese must be accompanied by a certified English or Japanese translation. Translations should be certified by a public institution or the issuing university. Be sure to submit the original language version as well.

Document 8 & 9:
Certificates for 8 and 9 above need not be separate documents. A document certifying both graduation and the degree awarded may be submitted.

If an applicant's university does not issue a certificate of expected graduation and degree, an official letter issued by applicant's current university, indicating applicant's name, date of birth, expected date of graduation, and expected degree may be accepted as a substitute.

10	**Evaluation sheet with recommendation (in a single document)** (★) Must be issued by a person, such as a supervisor at the applicant's previous or current university, who can assess the applicant's academic potential and abilities. The applicant may submit only one evaluation sheet with a recommendation letter. If there are multiple submissions of the documents, even if they are accepted by the online application system, only the first submission will be considered valid. This document is preferably issued by a person at the university that the applicant attended for full-time study. ★ Designated formats can be downloaded from each IGP program page

Application for Individual Assessment of Admission Eligibility

Applicants who fall under eligibility conditions A(3), A(4), A(5), or B(3) must contact the Admissions Division before proceeding with the online application, and ask if they need to go through the Individual Assessment of Admission Eligibility or submit the relevant documents.

Applicants who are required to go through Individual Assessment of Admission Eligibility must submit an **Application for Individual Assessment of Admission Eligibility** (★) with the following supplementary documents.

★ Designated formats can be downloaded from each IGP program page

1) **For applicants of the Master's Program and Integrated Doctoral Education Program who fall under eligibility condition A(5):**

- Certificate of Enrollment as a research student/fellow after graduation from an undergraduate course of study at a university

2) **For applicants of the Doctoral Program**

- Research Achievements
- Outline of Research (free format, approximately 300 words)

Application documents for scholarships

Scholarship Application Documents

Applicants who wish to apply for the scholarship listed in Section 7, "Scholarship" are required to prepare the necessary documents（★）and submit those via the online application system. Before applying for the scholarship, applicants are required to check the application qualifications carefully and refer to the explanation in Section 7, "Scholarship" in this application guide.

★ Designated formats can be downloaded from each IGP program page.

Completion of the online application process

The entire online application process must be completed no later than **October 12, 2025 at 23:59 (JST)**. Applicants must fill out the online form and submit the application documents via the Science Tokyo online submission system no later than this deadline.

Notes:

(1) Admission may be withdrawn at any time, even after enrollment, if the application documents are found to be invalid or contain false information.

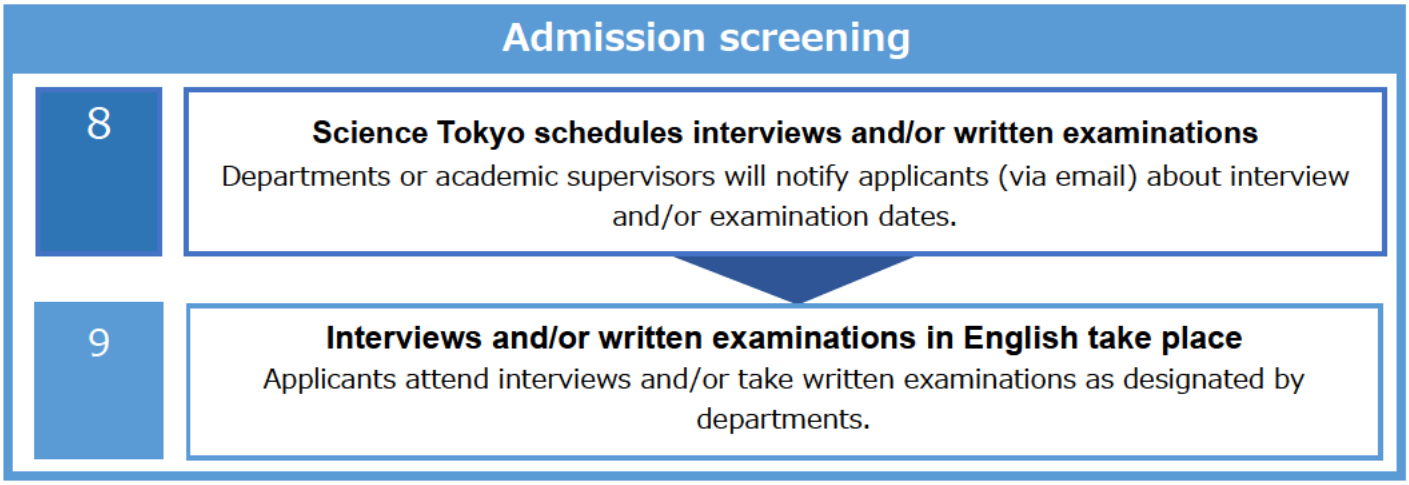
(2) The information provided in application documents is used only for entrance examinations and related purposes. The policy regarding the use of personal information is as follows:
a. Personal information obtained through the application process will be used for selection of applicants. Only in the case of enrolling applicants will it be used for (i) enrollment procedures, (ii) administrative purposes (student records, academic guidance), (iii) student support (health management, career support, application for scholarships and tuition exemption), and (vi) procedures related to the collection of tuition.
b. Entrance examination results may be used in the future to improve applicant selection methods.
c. In performing the tasks described in items a and b, some duties may be delegated to outside contractors. These contractors may, where necessary, be provided with all or part of obtained personal information to complete their duties.

(3) Science Tokyo will not accept or consider any documents received after the stated deadline or any incomplete applications.

(4) Submitted documents cannot be changed after completing the application.

(5) Only application documents submitted by applicants themselves will be accepted. Those submitted by proxies will not be considered.

5. Admission Process



Interview and/or examination in English

The examination period and subjects differ among departments. After completion of application, applicants will be notified about the schedule for interviews and/or examinations by the intended academic supervisor or department. Please refer to the following contact details for inquiries and further information.

Department	Inquiries
Mathematics	dean@math.titech.ac.jp
Physics	http://info.phys.sci.titech.ac.jp/english/graduate/examination.html phys-grchair@phys.titech.ac.jp
Chemistry	office@chem.titech.ac.jp
Earth and Planetary Sciences	chair@eps.sci.titech.ac.jp
Mechanical Engineering	http://www.mech.e.titech.ac.jp/en/admission/index.html IGP-EntranceExam@mech.e.titech.ac.jp
Systems and Control Engineering	https://educ.titech.ac.jp/sc/eng/admissions/ admissions@sc.eng.isct.ac.jp
Electrical and Electronic Engineering	inquiry@ee.e.titech.ac.jp
Information and Communications Engineering	ict_inquiry@ict.e.titech.ac.jp

Department	Inquiries
Industrial Engineering and Economics	igp@iee.eng.isct.ac.jp
Materials Science and Engineering	mat.adm@mac.titech.ac.jp
Chemical Science and Engineering	ent_admin@cap.mac.titech.ac.jp
Mathematical and Computing Science	is-exam-inquiry@comp.isct.ac.jp
Computer Science	cs-nyushi@c.titech.ac.jp
Life Science and Technology	igp.lst@adm.isct.ac.jp
Architecture and Building Engineering	inquiry@arch.titech.ac.jp
Civil and Environmental Engineering	inquiry@cv.titech.ac.jp
Transdisciplinary Science and Engineering	admission@tse.ens.titech.ac.jp
Social and Human Sciences	head@shs.ens.titech.ac.jp

Notification of results

10

A list of successful applicants will be published on the Science Tokyo website.

Successful applicants will check about documents required for enrollment.

Admission decision

The admission decision will be made based on the application documents and screening and interview processes including an online interview.

The Announcement of Successful Applicants (in PDF format) will be posted on the "Admissions Results" web page around **15:00 on December 3, 2025.** Inquiries via email, telephone, etc. regarding examination results will not be answered.

6. Enrollment Fee and Tuition

Students admitted to the Master's and Doctoral Programs are required to pay the following fees.

Enrollment Fee	JPY 282,000
Annual Tuition	JPY 635,400

(Enrollment and tuition fees are subject to change. The amounts indicated above do not include bank handling charges.)

Payment of the enrollment fee and tuition for the spring (first) semester can be postponed, and payment of tuition for the fall (second) and subsequent semesters can be waived, upon application and approval.

7. Scholarships

Applicants for IGP(C) are able to apply for the following scholarships under certain conditions.
* Japanese citizens may not apply for the following scholarship.

If you wish to apply for the following scholarships, you must submit an additional application form apart from the IGP application form. Please apply using the scholarship application form URL below. Please note that you will need to use the token issued at the time of IGP application form.
Scholarship Application Form URL: https://forms.office.com/r/AVu0HA74Ui

Application period: **Monday, August 4, 2025 to Sunday, October 12, 2025**

JASSO (Overseas Applicants Only)

Overseas applicants who enroll at Science Tokyo have the chance to apply for the "Reservation Program for Monbukagakusho Honors Scholarship for Privately-Financed International Students by Pre-arrival Admission" from the Japan

Student Services Organization (“JASSO”).
The monthly amount of this scholarship is JPY48, 000 and is subject to change as specified by JASSO. This scholarship will be paid from April 2026 to March 2027 (12 months). Applicants must pay the enrollment and tuition fees even if they are selected for this scholarship. Please note that those who are granted any other scholarship that doesn’t allow plural grants cannot apply for this scholarship simultaneously.
Students who intend to apply for the JASSO scholarship must check if they fulfil all the criteria, select “JASSO” as your intended scholarship in the intended scholarship section of the online application system and submit English Proficiency Test Score Report from the form separately from the IGP (C) application.
For those who selected “JASSO” and submitted required documents, the Student Support Division will contact you for further instruction via email during February 2026. The selection will be conducted during February and March and the result will be announced via email by the end of March.
Those who wish to apply for this scholarship must see a separate online application guide to check if they are eligible.
https://www.titech.ac.jp/english/student-support/prospective-students/scholarships/jasso

8. Others

To manage the risk of infectious diseases at Science Tokyo, international students (including those from other domestic universities, technical colleges, and Japanese language schools) who have passed the entrance exam, are urged to submit a health certificate signed by a physician during the three months before enrollment.

Science Tokyo will apply on behalf of successful applicants for a Certificate of Eligibility (COE) after the examination results are released. There may be cases, however, where the COE application is rejected by the Immigration Services Agency of Japan. Those without a COE will not be permitted to enter Japan, and will be withdrawn from Science Tokyo if they have already completed the enrollment procedure. Please also note that enrollment and tuition fees once paid will not be refunded under any circumstances. Science Tokyo has a system for postponing payment of those fees.

As indicated on the cover, we have integrated to become Institute of Science Tokyo. However, the name Tokyo Tech may still appear in some systems and contexts.

9. Inquiries

Answers to frequent asked questions about IGP admissions are included on the FAQ page below.
https://admissions.isct.ac.jp/en/013/graduate/programs/science-and-engineering/igp-faq.html

For other inquiries, please contact the Admissions Division at the following email addresses.

Inquiries about	**Email** **Designated words in the subject box**
Application procedures	inquiries.int.grad.se@adm.isct.ac.jp [Question about application] IGP(C)2026 spring_Full Name
Online application	igp.submission@adm.isct.ac.jp [Question about submission] IGP(C)2026 spring_Full Name

Note:

(1) Upon sending your question by email, please put the designated words in the subject box.

(2) In circumstances where you need to send Science Tokyo hard copies of the required documents by post, please contact inquiries.int.grad.se@adm.isct.ac.jp

(see “Application procedures” of the above table) for advice.

(3) Inquiries will only be accepted from applicants themselves. Those received from proxies will not be responded to.

(4) **We strongly recommend that you contact us as soon as possible if you have any questions about application procedures. As the procedures can take time, be sure to submit the documents well before the deadline. Please note that we cannot provide any support if you send inquiries/emails at the moment just before the application deadline.**

Appendix

List of Faculty for International Graduate Program (C) Commencing in Spring 2026

Table of Contents

Clicking on the link of the department you are interested in will take you to the corresponding location in the list.

List of Faculty
International Graduate Program (C)
Commencing in Spring 2026

School of Science

(1) Dept. of Mathematics

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	OCHIAI, Tadashi	Number Theory, Arithmetic Geometry	Doctoral program only	・Mathematics
Professor	SHIMOMOTO, Kazuma	Commutative algebra, Singularity theory, number theory	Doctoral program only	・Mathematics
Professor	SUZUKI, Masatoshi	Analytic Number Theory	Doctoral program only	・Mathematics
Professor	TAGUCHI, Yuichiro	Number Theory	Doctoral program only	・Mathematics
Associate Professor	OYA, Hironori	Representation Theory	Doctoral program only	・Mathematics
Associate Professor	MA, Shohei	Algebraic Geometry	Doctoral program only	・Mathematics
Associate Professor	YATAGAWA, Yuri	Arithmetic Geometry	Doctoral program only	・Mathematics
Professor	ENDO, Hisaaki	Topology	Doctoral program only	・Mathematics
Professor	GOMI, Kiyonori	Algebraic Topology, Mathematical Physics	Doctoral program only	・Mathematics
Professor	HONDA, Nobuhiro	Complex Geometry	Doctoral program only	・Mathematics
Associate Professor	KALMAN, Tamas	Topology	Doctoral program only	・Mathematics
Associate Professor	NOSAKA, Takefumi	Topology	Doctoral program only	・Mathematics
Associate Professor	HATTORI, Toshiaki	Geometry	Doctoral program only	・Mathematics
Professor	KAGEI,Yoshiyuki	Partial Differential Equations	Doctoral program only	・Mathematics
Professor	TONEGAWA, Yoshihiro	Partial Differential Equations, Geometric Measure Theory	Doctoral program only	・Mathematics
Professor	NINOMIYA, Syoiti	Computational Finance, Mathematical Finance, Probability Theory	Doctoral program only	・Mathematics
Professor	MIURA, Hideyuki	Theory of Partial Differential Equations	Doctoral program only	・Mathematics
Associate Professor	ONODERA, Michiaki	Partial Differential Equations	Doctoral program only	・Mathematics
Associate Professor	FUJIKAWA, Ege	Complex Analysis	Doctoral program only	・Mathematics
Associate Professor	Hishino, Masato	Probability theory, Stochastic partial differential equations	Doctoral program only	・Mathematics
Professor	ARAI, Zin	Dynamical Systems, Computational Topology	Doctoral program only	・Mathematics
Professor	NISHIBATA, Shinya	Theory of Partial Differential Equations	Doctoral program only	・Mathematics

Associate Professor	SUZUKI, Sakie	Knot Theory, Quantum Topology	Doctoral program only	・Mathematics
Associate Professor	TAKAHASHI,Jin	Partial Differential Equations, Parabolic Equations	Doctoral program only	・Mathematics
Associate Professor	TSUCHIOKA, Shunsuke	Quantum Algebra, Representation Theory	Doctoral program only	・Mathematics

School of Science

(2) Dept. of Physics

Academic Supervisor		Research Fields	Remarks	Graduate Major
Professor	ITO, Katsushi	Particle Physics (Theory)		・Physics
Professor	KAGAWA, Fumitaka	Condensed-matter physics, Phase control, Nonequilibrium (Experiment)		・Physics
Professor	KUZE, Masahiro	Particle Physics (Experiment)		・Physics
Professor	KOZUMA, Mikio	Quantum optics, Laser cooling, Bose Einstein condensation		・Physics
Professor	SATOH, Takuya	Ultrafast dynamics, optical condensed matter physics		・Physics
Professor	SASAMOTO, Tomohiro	Statistical physics		・Physics
Professor	JIDO, Daisuke	Nuclear Hadron Physics (Theory)		・Physics
Professor	JINNOUCHI, Osamu	High Energy Particle Physics (Experiment)		・Physics
Professor	SUYAMA, Teruaki	Cosmology, gravitational waves (Theory)		・Physics
Professor	SOMIYA, Kentaro	Gravitational Wave Detector		・Physics
Professor	NAKAMURA, Takashi	Nuclear Physics (Experiment)		・Physics
Professor	NISHIDA, Yusuke	Theoretical Quantum Physics, Ultracold Atoms		・Physics
Professor	HIRAHARA, Toru	Quantum surface/interface nano-physics		・Physics
Professor	FUJISAWA, Toshimasa	Electron dynamics in semiconductor nanostructures		・Physics
Professor	MUKAIYAMA, Takashi	Laser cooling of atoms, ion traps, quantum sensing, Fermi degenerated gases, ultracold chemistry		・Physics
Professor	OHZEKI, Masayuki	Quantum Mechanics and Statistical Physics for Information processing (Machine learning and Quantum Computation)		・Physics
Professor	NOTOMI, Masaya	Nanophotonics, Photonic crystals, Metamaterials		・Physics
Associate Professor	ISHIZUKA, Hiroaki	Theoretical condensed matter physics, transport phenomena, magnetism		・Physics
Associate Professor	IMAI, Miyabi	Physical experiments (nanoscience, surface science, single-molecule spectroscopy, energy conversion science, biomolecular imaging)		・Physics
Associate Professor	IMAMURA, Yosuke	Particle Physics (Theory)		・Physics
Associate Professor	UCHIDA, Masaki	Topological and correlated materials, Molecular beam epitaxy, Quantum transport phenomena		・Physics
Associate Professor	SEKIZAWA, Kazuyuki	Nuclear Physics (Theory)		・Physics

Associate Professor	NISHIGUCHI, Daiki	Nonequilibrium statistical physics, active matter, biophysics		・Physics
Associate Professor	HANAI, Ryo	Nonequilibrium Many-Body Physics		・Physics
Associate Professor	FUJIOKA, Hiroyuki	Nuclear and Hadron Physics (Experiment)		・Physics
Associate Professor	PU, Jiang	Physical properties and devices of 2D materials and their heterostructures		・Physics
Associate Professor	HORIUCHI, Shunsaku	Theoretical astroparticle physics, multi-messenger astrophysics		・Physics
Associate Professor	MATSUO, Sadashige	Exploration of fundamental science through advanced electrical control of nanodevice quantum properties, superconductors and semiconductor devices		・Physics
Associate Professor	MATSUSHITA, Michio	Optical spectroscopy of single proteins		・Physics
Associate Professor	YATSU, Yoichi	Astrophysics (Experiment)		・Physics
Specially Appointed Professor	YU, Xiuzhen	Direct observations of electronic states and emergent phenomena in strongly correlated materials by the transmission electron microscopy; nanoscience and spintronics	RIKEN	・Physics
Specially Appointed Professor	HIGEMOTO, Wataru	Strongly correlated electron systems, Muon science	JAEA	・Physics
Specially Appointed Professor	FUJIMOTO, Ryuichi	X-ray astronomy (high-resolution spectroscopic observations of galaxy clusters using X-ray satellites, development and calibration of onboard instruments)	JAXA	・Physics
Visiting Professor	MIYAKE, Takashi	Computational materials science	AIST	・Physics
Specially Appointed Associate Professor	KOKUBUN, Motohide	Astrophysical experiments (observational research with scientific balloons and satellites)	JAXA	・Physics

School of Science

(3) Dept. of Chemistry

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	UEKUSA, Hidehiro	Chemical Crystallography, Organic Crystal Chemistry	Doctoral Program only	・Chemistry
Professor	KAWAGUCHI, Hiroyuki	Coordination Chemistry, Catalytic Chemistry, Electrochemistry, Photochemistry, Articifial Photosynthesis	Doctoral Program only	・Chemistry
Professor	KAWANO, Masaki	Coordination Chemistry, Chemical Crystallography, Supramolecular Chemistry	Doctoral Program only	・Chemistry ・Energy Science and Informatics ・Materials and Information Sciences ■
Professor	KONDO, Mio	Coordination Chemistry, Catalytic Chemistry, Electrochemistry, Photochemistry, Articifial Photosynthesis	Doctoral Program only	・Energy Science and Informatics ・Chemistry
Professor	HIBARA, Akihide	Analytical chemistry, interface chemicstry, atmospheric chemistry, microfluidic bioanalysis	Doctoral Program only	・Chemistry
Professor	MAEDA, Kazuhiko	Inorganic Materials Chemistry, Photochemistry, Catalysis, Electrochemistry	Doctoral Program only	・Energy Science and Informatics ・Chemistry
Professor	YASHIMA, Masatomo	Materials Science, Crystallography, Solid State Chemistry & Physics, Solid State Ionics, Crystal Structure Analysis, New Inorganic Materials	Doctoral Program only	・Energy Science and Informatics ・Chemistry ・Materials and Information Sciences ■
Professor	ISHIUCHI, Shun-ichi	Physical Chemistry, Laser Spectroscopy	Doctoral Program only	・Chemistry ・Materials and Information Sciences ■
Professor	TANIGUCHI, Kouji	Solid State Chemistry	Doctoral Program only	・Energy Science and Informatics ・Chemistry
Associate Professor	OKIMOTO, Yoichi	Optical Spectroscopy of Solids	Doctoral Program only	・Energy Science and Informatics ・Chemistry
Associate Professor	KITAJIMA, Masashi	Physical Chemistry	Doctoral Program only	・Chemistry
Associate Professor	NISHINO, Tomoaki	Surface Chemistry	Doctoral Program only	・Chemistry
Associate Professor	YAMAZAKI, Masakazu	Physical Chemistry, Atomic and Molecular Physics	Doctoral Program only	・Chemistry
Professor	OHMORI, Ken	Organic Chemistry	Doctoral Program only	・Chemistry ・Materials and Information Sciences ■
Professor	GOTO, Kei	Organic Chemistry	Doctoral Program only	・Chemistry ・Materials and Information Sciences ■
Professor	TOYOTA, Shinji	Physical Organic Chemistry	Doctoral Program only	・Chemistry ・Energy Science and Informatics
Professor	MINAMI, Atsushi	Organic Chemistry	Doctoral Program only	・Chemistry
Professor	YAMASHITA, Makoto	Main Group Chemistry, Organometallic Chemistry, Homogeneous Catalysis	Doctoral Program only	・Chemistry
Associate Professor	ONO, Kosuke	Organic Chemistry, Supramolecular Chemistry	Doctoral Program only	・Chemistry
Associate Professor	MORIMOTO, Yuma	Coordination Chemistry, Bioinorganic Chemistry	Doctoral Program only	・Chemistry
Associate Professor	ANDO, YOSHIO	Organic Chemistry	Doctoral Program only	・Chemistry
Professor	NOGAMI, Kenji	Geochemistry, Volcanology	Doctoral Program only	・Chemistry
Associate Professor	TERADA, Akihiko	Volcanology	Doctoral Program only	・Chemistry

■ The Materials and Information Sciences Graduate Major is a Doctoral Program.

School of Science

(4) Dept. of Earth and Planetary Sciences

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	UENO, Yuichiro	Geology, Biogeochemistry		・Earth and Planetary Sciences
Professor	SATO, Bunei	Observational Astronomy, Exoplanets		・Earth and Planetary Sciences
Professor	NAKAJIMA, Junichi	Seismology, Geophysics		・Earth and Planetary Sciences
Professor	NAKAMOTO, Taishi	Astrophysics, Planetary Formation		・Earth and Planetary Sciences
Professor	YOKOYAMA, Tetsuya	Geochemistry, Cosmochemistry		・Earth and Planetary Sciences
Associate Professor	ISHIKAWA, Akira	Geology, Solid Earth Geochemistry		・Earth and Planetary Sciences
Associate Professor	OHTA, Kenji	Study of the Earth's Deep Interior, High-Pressure Mineral Physics		・Earth and Planetary Sciences
Professor	OKUZUMI, Satoshi	Astrophysics, Planetary Formation		・Earth and Planetary Sciences
Associate Professor	OZAKI, Kazumi	Earth System Science, Theory of Earth's Evolution		・Earth and Planetary Sciences
Associate Professor	KEBUKAWA, Yoko	Astrochemistry, Prebiotic chemistry		・Earth and Planetary Sciences
Associate Professor	AZUMA, Shintaro	Rock Deformation, High-pressure Earth Science		・Earth and Planetary Sciences
Associate Professor	HABA, Makiko	Cosmochemistry, Geochronology		・Earth and Planetary Sciences
Associate Professor	KANDA, Wataru	Physical Volcanology, Geomagnetism	Institute of Innovative Research, Multidisciplinary Resilience Research Center	・Earth and Planetary Sciences
Professor	SEKINE, Yasuhito	Earth and Planetary Environment Evolution, Astorobiology	Earth-Life Science Institute	・Earth-Life Science ★
Professor	HERNLUND, John	Geophysical Modeling	Earth-Life Science Institute	・Earth-Life Science ★ ・Earth and Planetary Sciences
Professor	GENDA, Hidenori	Comparative Planetology, Aqua Planetology	Earth-Life Science Institute	・Earth-Life Science ★ ・Earth and Planetary Sciences

★ The Earth-Life Science Graduate Major is an Integrated Doctoral Educational Program (master's and doctoral level).

School of Engineering

(5) Dept. of Mechanical Engineering

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	Il, Satoshi	[Thermofluid field] Biomechanics, Computational mechanics, Multilayer fluid flows, Cerebral circulation, Data assimilation		・Mechanical Engineering ・Science and Technology for Health Care and Medicine
Professor	ONISHI, Ryo	[Thermofluid field] Environmental Turbulent Flows, CFD, Machine Learning, Data Assimilation, Micro-Meteorology Forecasting System		・Mechanical Engineering
Professor	KOSAKA, Hidenori	[Thermofluid field] Thermodynamics, Fluid Dynamics, Internal Combustion Engine		・Mechanical Engineering ・Energy Science and Informatics
Professor	SAITO, Takushi	[Thermofluid field] Development of thermal design technology for electrification of machinery, Analysis of transport phenomena including interface, Development of heat transfer control technology using nanomaterials		・Mechanical Engineering ・Energy Science and Informatics
Professor	XIAO, Feng	[Thermofluid field] Computational fluid dynamics,Numerical analysis, Integrated system of data, deterministic and statistical models		・Mechanical Engineering
Professor	SUEKANE, Tetsuya	[Thermofluid field] CO2 Geological Storage, Enhanced Oil Recovery, Transport in Porous Media, Numerical Simulation of Multiphase Flow		・Energy Science and Informatics ・Mechanical Engineering
Professor	TANAHASHI, Mamoru	[Thermofluid field] Fluid Dynamics, Heat and Mass Transfer, Combustion		・Energy Science and Informatics ・Mechanical Engineering
Professor	NOZAKI, Tomohiro	[Thermofluid field] Plasma Chemistry, Reaction Engineering, Thermal Engineering		・Energy Science and Informatics ・Mechanical Engineering
Professor	FUSHINOBU, Kazuyoshi	[Thermofluid field] Thermal Engineering (Ultrafast Laser Diagnosis & Processing, Additive Manufacturing, Automotive Electronic Packaging, Digital Printing, Energy Equipment)		・Mechanical Engineering
Professor	MURAKAMI, Yoichi	[Thermofluid field] CO2 Separation Matgerials, Materials for Solid-State Batteries, Thermal Energy Reuse, Liquid Thermoelectric Power Generation		・Nuclear Engineering ・Mechanical Engineering
Associate Professor	KIKURA, Hiroshige	[Thermofluid field] Nuclear Reactor Safety, Process Control and Measurement System, Thermal Hydraulics, Safe Transport of Radioactive Material		・Nuclear Engineering
Associate Professor	KODAMA, Manabu	[Thermofluid field] X-ray measurement, machine learning analysis, electrochemical simulation, next-generation EV battery, water electrolysis		・Energy Science and Informatics ・Mechanical Engineering
Associate Professor	SASABE, Takashi	[Thermofluid field] Thermal engineering, Electrochemistry, X-ray measurement, Fuel cell, PEM water electrolysis, Lithium-ion battery, High-performance electrode fabrication		・Mechanical Engineering ・Energy Science and Informatics
Associate Professor	SHIMURA, Masayasu	[Thermofluid field] Combustion and Energy Conversion Technologies, Thermodynamics, Fluid Dynamics		・Energy Science and Informatics ・Mechanical Engineering
Associate Professor	SUZUKI, Sayaka	[Thermofluid field] Thermal Engineering, Environmental Energy Engineering, Fire, Environmental Impacts of Fire and Combustion		・Mechanical Engineering ・Energy Science and Informatics

Associate Professor	NAGASAWA, Tsuyoshi	[Thermofluid field] Thermal engineering, Solid oxide fuel cell and electrolysis cell, Combustion synthesis of functional nanomaterials, Automotive exhaust aftertreatment system		・Mechanical Engineering ・Energy Science and Informatics
Specially Appointed Associate Professor	HARADA, Yoshihiro	[Thermofluid field] Digital printing / Inkjet printing / Optical measurement		・Mechanical Engineering
Assistant Professor (Tenure Track)	MATSUSHITA, Shintaro	[Thermofluid field] Computational Fluid Dynamics, High Resolution Simulation of Multiphase Flows, GPU Computing, Numerical Simulation in Porous Media, Complex Fluids, Gas–liquid–solid Three-phase Flows	Master's Program only	・Mechanical Engineering
Professor	ARAKI, Wakako	[Materials and processing fields] Mechanics of materials, Fracture mechanics, Solid state ionics, Mechanics and ionics of ion-conducting oxides		・Mechanical Engineering
Professor	INOUE, Hirotsugu	[Materials and processing fields] Mechanics of Materials, Non-destructive Testing	Master's Program only	・Mechanical Engineering
Professor	SATO, Chiaki	[Materials and processing fields] Adhesion Technology, Composite Materials	Master's Program only	・Mechanical Engineering
Professor	HIRATA, Atsushi	[Materials and processing fields] Surface Engineering		・Mechanical Engineering
Professor	MIZUTANI, Yoshihiro	[Materials and processing fields] Structural Reliability Engineering, Application of Artificial Intteligence		・Mechanical Engineering
Associate Professor	AONO, Yuko	[Materials and processing fields] Functional Surface and Thin Film, Laser Processing		・Mechanical Engineering
Professor	AKASAKA, Hiroki	[Materials and processing fields] Synthesis and Evaluation of Inorganic Carbon Materials		・Mechanical Engineering ・Engineering Sciences and Design
Professor	INABA, Kazuaki	[Materials and processing fields] Continuum Mechanics		・Mechanical Engineering ・Engineering Sciences and Design
Associate Professor	KONDO, Masatoshi	[Materials and processing fields] Fusion reactor, Fast reactor, Material compatibility, Liquid metal technology		・Nuclear Engineering
Associate Professor	SAKAGUCHI, Motoki	[Materials and processing fields] Mechanics and Strength of Materials		・Mechanical Engineering
Associate Professor	SEKIGUCHI, Yu	[Materials and processing fields] Surface/Interface, Joint strength, Fracture/Fatigue, Polymer, Adhesives, Mechanics of materials		・Mechanical Engineering ・Engineering Sciences and Design
Associate Professor	TANAKA, Tomohisa	[Materials and processing fields] Ultrasonic assisted processing, Laser processing, Additive manufacturing, Tribology, CAD/CAM		・Mechanical Engineering ・Super Smart Society ■
Associate Professor	HIRATA, Yuki	[Materials and processing fields] Synthesis and functional exploration of two-dimensional atomic layer thin films and their heterostructures / Three-dimensional nano-deposition of DLC films and their mechanical, electrical, and biomedical applications		・Mechanical Engineering
Associate Professor	YAMAZAKI, Takahisa	[Materials and processing fields] Materials for Space Use, Advanced Joining and Surface Coating		・Mechanical Engineering ・Engineering Sciences and Design

Associate Professor	YAMAMOTO, Takatoki	[Materials and processing fields] AI-driven biosensing, metabio, medical/healthcare devices, micro/nanofluidic systems		・Mechanical Engineering ・Science and Technology for Health Care and Medicine
Professor	KIM, Joon-wan	[Mechanical system field] MEMS, Micro Mechatronics, Bio Mechatronics		・Mechanical Engineering ・Science and Technology for Health Care and Medicine ・Super Smart Society ■
Professor	SAKAMOTO, Hiraku	[Mechanical system field] Space Structures, Dynamics, Numerical Analysis		・Mechanical Engineering ・Engineering Sciences and Design
Professor	SHINSHI, Tadahiko	[Mechanical system field] Mechanical Systems Using Magnetic Force, Magnetic MEMS, Ultrasonic Medical Instruments Artificial Heart		・Mechanical Engineering ・Science and Technology for Health Care and Medicine
Professor	YANAGIDA, Yasuko	[Mechanical system field] Bio-MEMS/NEMS, Biosensing, Biofunctional Engineering		・Science and Technology for Health Care and Medicine ・Mechanical Engineering
Professor	YAMAURA, Hiroshi	[Mechanical system field] Mechatronics, Dynamics, Control		・Mechanical Engineering
Specially Appointed Professor	KOBAYASHI, Tsune	[Mechanical system field] Analysis and Design of Mechanical Elements, Mechanisms for Automobiles		・Mechanical Engineering
Specially Appointed Professor	MOMOZONO, Satoshi	Tribology, Machine Element, Precision Engineering, Surface and Interface, Rheology		・Mechanical Engineering
Associate Professor	ISHIDA, Tadashi	[Mechanical system field] Biomedical MEMS, Nanobiology		・Science and Technology for Health Care and Medicine ・Mechanical Engineering
Associate Professor	CHUJO, Toshihiro	[Mechanical system field] Astrodynamics, Trajectory design, Guidance, Navigation, and Control, Deep space mission design, Spacecraft system, Dynamics simulation		・Mechanical Engineering
Associate Professor	NAKANO, Yutaka	[Mechanical system field] Vibration Engineering		・Mechanical Engineering
Associate Professor	NISHISAKO, Takashi	[Mechanical system field] Nano/micro Fluid, Emulsion, Micro Chemistry, Bio chemistry, MEMS		・Mechanical Engineering
Associate Professor	HIJIKATA, Wataru	[Mechanical system field] Human-machine System, Mechatronics for Medical and Welfare Devices, Bio-robot, Wireless Power Transfer System for Mobile Robot		・Engineering Sciences and Design ・Mechanical Engineering
Associate Professor	TAKAHASHI, Hideharu	[Mechanical system field] Smart Agricultural and Forestry Engineering, Remote Sensing, Zero-carbon Energy, Environmental Restoration and Utilization of Unused Resources		・Mechanical Engineering ・Super Smart Society ■
Specially Appointed Associate Professor	MATSUURA, Daisuke	[Mechanical system field] Analysis and Design of Mechanical Elements, Robotics, Mechatronics, Visual Measurement, Visual Servo, Non-contact Manipulation, Welfare equipment		・Mechanical Engineering
Professor	ENDO, Gen	[Mechanical system field] Robotics, Mechatronics, Mechanism Design		・Mechanical Engineering ・Engineering Sciences and Design
Professor	OKADA, Masafumi	[Intelligent system field] Robotics, Control Engineering		・Mechanical Engineering
Professor	SAITO, Shigeki	[Intelligent system field] Micromechanics, Micro Robotics, Engineering Design		・Engineering Sciences and Design

Professor	SHINO, Motoki	[Intelligent system field] Cooperative Assist and Control in Human-Machine Systems, Intelligent Mobility, Behavioral and Physiological Information based System Design, Comfort Design, Automated Driving Technology		・Science and Technology for Health Care and Medicine ・Mechanical Engineering
Professor	SUGAHARA, Yusuke	[Intelligent system field] Mechanical Systems Design		・Mechanical Engineering ・Engineering Sciences and Design
Professor	TAKEDA, Yukio	[Intelligent system field] Mechanical Systems Design		・Mechanical Engineering ・Engineering Sciences and Design
Professor	NISHIDA, Yoshifumi	[Intelligent system field] Living Centric Design, Living Function Support, Artificial Intelligence, IoT		・Engineering Sciences and Design ・Mechanical Engineering
Professor	FURUKAWA, Katsuko S.	[Intelligent system field] Tissue Engineering, Mechanobioengineering, 3D Fabrication, Artificial Organs, Organ Simulator		・Science and Technology for Health Care and Medicine ・Mechanical Engineering
Professor	MAEDA, Shingo	[Intelligent system field] Soft robotics, soft materials, soft actuators, soft sensors		・Mechanical Engineering
Associate Professor	TAKAYAMA, Toshio	[Intelligent system field] Robothics & Mechatronics, Mechanism, Soft robot, Medical device, Microfluidic device		・Mechanical Engineering ・Science and Technology for Health Care and Medicine
Associate Professor	TANAKA, Hiroto	[Intelligent system field] Biomimetics, Fluid dynamics of animal flight and swimming, Flapping-wing aerial/underwater robots, Micro fabrication		・Mechanical Engineering ・Super Smart Society ■
Associate Professor	NABAE, Hiroyuki	[Intelligent system field] Actuator, Mechatronics, Robotics		・Mechanical Engineering
Associate Professor	MIURA, Satoshi	[Intelligent system field] Human-Machine Interface, Brain-Machine Interface, Medical Robotics, Welfare Robotics,Surgical Robotics		・Mechanical Engineering
Specially Appointed Associate Professor	ENDO, Mitsuru	[Intelligent system field] Human Collaborative Robot, Light-weight Actuator, Mechatronics, Industrial Robot		・Mechanical Engineering
Specially Appointed Associate Professor	YOSHITAKE, Hiroshi	[Intelligent system field] Human factors, Behavioral data analysis and modeling, Human-machine system, Safe driving/traffic safety assistance design		・Science and Technology for Health Care and Medicine ・Mechanical Engineering

■ The Super Smart Society Graduate Major is a Doctoral Program.

School of Engineering

(6) Dept. of Systems and Control Engineering

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	AMAYA, Kenji	Inverse Problems, Computational Mechanics, Electrochemical Analysis, Optical Analysis		・Systems and Control Engineering
Professor	IMURA, Jun-ichi	Robot Intelligent Control, Control Theory Hybrid Systems Theory		・Systems and Control Engineering
Professor	KURABAYASHI, Daisuke	Biorobotic systems, Distributed systems, Motion planning		・Systems and Control Engineering ・Engineering Sciences and Design ・Super Smart Society ■
Professor	TANAKA, Masayuki	Computational photography, Image processing		・Engineering Sciences and Design ・Systems and Control Engineering
Professor	TSUKAGOSHI, Hideyuki	Soft Robotics, Biomimetics, Fluid Powered Control, Medical Actuator		・Systems and Control Engineering ・Science and Technology for Health Care and Medicine
Professor	NAKAO, Hiroya	Nonlinear Dynamics, Stochastic Processes, Self-organization Phenomena		・Systems and Control Engineering
Professor	NAKASHIMA, Motomu	Sports Engineering, Biomechanics, Biorobotics, Musculoskeletal Analysis, Welfare Engineering		・Systems and Control Engineering ・Science and Technology for Health Care and Medicine ・Super Smart Society ■
Professor	NAKADAI, Kazuhiro	Robot Audition, Computational Auditory Scene Analysis, Human-Machine Interaction		・Systems and Control Engineering ・Super Smart Society ■
Professor	HATANAKA, Takeshi	Systems & Control, Cyber-Physical-Human Systems, Smart Agriculture, Networked Robotics		・Systems and Control Engineering ・Super Smart Society ■
Associate Professor	ISHIZAKI, Takayuki	Systems and Control Theory, Power Systems, Distributed Energy Management System, Optimization		・Systems and Control Engineering
Associate Professor	ITOYAMA, Katsutoshi	Audio signal processing, sound source separation, speech enhancement, scene understanding, acoustic sensor network, music information processing		・Systems and Control Engineering
Associate Professor	KAWAKAMI, Rei	Open world vision, Multimodal recognition, Physics-based vision, Vision for AR/VR		・Systems and Control Engineering ・Super Smart Society ■
Associate Professor	SATO, Susumu	Environmental Load Reduction in Transportation System, Local roadside emission analysis with on-board emission measurement systems		・Systems and Control Engineering
Associate Professor	HAYAKAWA, Tomohisa	Control Theory, Dynamical Systems Theory, Smart Society, Game Theory		・Systems and Control Engineering ・Super Smart Society ■
Associate Professor	HARA, Seiichiro	Surface profile sensing, measurement information processing / evaluation, machining information sensing, surface texture design		・Systems and Control Engineering
Associate Professor	MIYAZAKI, Yusuke	Biomechanics, Injury Preventive Engineering, Digital Human Modeling		・Science and Technology for Health Care and Medicine ・Systems and Control Engineering
Specially Appointed Professor	OKUTOMI, Masatoshi	Computer Vision, Image Processing	Prof. Okutomi belongs mainly to a Collaborative Research Cluster with private companies and can accept only doctor course students under appropriate conditions. Please make contact with the admission chair of the department in advance.	・Systems and Control Engineering

Specially Appointed Associate Professor	MONNO, Yusuke	Image Processing, Computer Vision, Computational Imaging	Associate Prof. Monno belongs mainly to a Collaborative Research Cluster with private companies. Please make contact with the admission chair of the department in advance.	・Systems and Control Engineering
Professor	ONO, Isao	Evolutionary Computation, Reinforcement learning, Optimization		・Systems and Control Engineering
Professor	TAKINOUE, Masahiro	Molecular robot, DNA nanotechnology, DNA computer, Artificial cell, Syntheti biology, Biomicrofluidics, Biophysics, Wet experiments		・Systems and Control Engineering
Assistant Professor (Tenure Track)	HAMADA, Shogo	Molecular Robotics, Nano-bio Systems Engineering, DNA Nanotechnology, Molecular Computing, Programmable Biomaterials		・Systems and Control Engineering

■ The Super Smart Society Graduate Major is a Doctoral Program.

School of Engineering

(7) Dept. of Electrical and Electronic Engineering

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	ITO, Hiroyuki	Low Power CMOS Circuits, Internet of Medical Things, IoT in Agriculture		・Electrical and Electronic Engineering
Professor	OKADA, Kenichi	Wireless Circuit Design, 5G/6G, Millimeter-Wave/Terahertz Communication, IoT, Analog/Digital Circuit Design		・Electrical and Electronic Engineering ・Super Smart Society ■
Associate Professor	SHIRANE, Atsushi	Integrated Circuits, Wireless Communication, Wireless Power Transfer, Satellite Communication		・Electrical and Electronic Engineering ・Super Smart Society ■
Professor	TOKUDA, Takashi	Microdevices and circuits for biomedical and IoT		・Science and Technology for Health Care and Medicine ・Electrical and Electronic Engineering
Associate Professor	AOYAGI, Takahiro	Electromagnetic Compatibility (EMC), Healthcare and Medical ICT, Wave Propagation, Microwave Measurement		・Electrical and Electronic Engineering
Associate Professor	AMEMIYA, Tomohiro	Photonics informatics, Integrated photonics, Photonic nanostructure		・Electrical and Electronic Engineering ・Super Smart Society ■
Professor	UENOHARA, Hiroyuki	Optical Communications, Optical Signal Processing, Photonic Switching, Photonic Integration		・Electrical and Electronic Engineering
Professor	SAKAGUCHI, Kei	Wireless communications, 5G/6G, IoT, mmWave, Wireless power transmission, Connected car, Automated driving		・Electrical and Electronic Engineering ・Super Smart Society ■
Associate Professor	TRAN, Gia Khanh	Gbps-class wireless backbone network, Radio resource management using AI, IoT networks employing drones		・Electrical and Electronic Engineering ・Super Smart Society ■
Associate Professor	SHOJI, Yuya	Lightwave Circuits, Optical Communication		・Electrical and Electronic Engineering
Associate Professor	TABARU, Marie	Biomedical Engineering Measurement, Agricultural Engineering Measurement, Acoustic Engineering		・Science and Technology for Health Care and Medicine ・Electrical and Electronic Engineering
Professor	NAKAGAWA, Shigeru	Quantum photonics, Integrated photonics, AI photonics		・Electrical and Electronic Engineering
Professor	NAKAMURA, Kentaro	Optical Sensing, Applied Acoustic Devices		・Science and Technology for Health Care and Medicine ・Electrical and Electronic Engineering
Professor	NISHIYAMA, Nobuhiko	Photonic Electronic Convergence Circuit, Semicondcutor Lasers, Ultra high-speed transceiver and Measurement System using Photonic Integrated Circuit		・Electrical and Electronic Engineering
Professor	HIROKAWA, Jiro	Millimeter-wave/Terahertz-wave planar antennas, Electromagnetic wave analysis		・Electrical and Electronic Engineering ・Super Smart Society ■
Associate Professor	TOMURA, Takashi	Satellite onboard antenna, wireless communication, large-scale electromagnetic analysis.		・Electrical and Electronic Engineering ・Super Smart Society ■
Professor	MIYAMOTO, Tomoyuki	Optical wireless power transmnission, Optical devices and functional modules		・Electrical and Electronic Engineering
Associate Professor	OHMI, Shun-ichiro	Semiconductor Devices		・Electrical and Electronic Engineering
Associate Professor	KAKUSHIMA, Kuniyuki	Semiconductor memory, process, devices		・Electrical and Electronic Engineering

Associate Professor	KODERA, Tetsuo	Quantum computing technology, Quantum Information devices, Nano quantum electronics		・Electrical and Electronic Engineering ・Energy Science and Informatics ・Super Smart Society ■
Professor	SUZUKI, Safumi	Terahertz Devices, THz 3D Imaging, THz Biosensing		・Science and Technology for Health Care and Medicine ・Electrical and Electronic Engineering
Professor	IWASAKI, Takayuki	Diamond Quantum Sensor, Solid-state Quantum Emitter for Quantum Communication, Diamond Device		・Energy Science and Informatics ・Electrical and Electronic Engineering ・Super Smart Society ■
Professor	WAKABAYASHI, Hitoshi	Semiconductor Devices, Nano-electronics, LSI		・Electrical and Electronic Engineering
Associate Professor	WATANABE, Masahiro	Quantum Devices, Hetero-epitaxial Engineering		・Electrical and Electronic Engineering
Associate Professor	ARAI, Keigo	Quantum Metrology, Quantum Sensing & Imaging, Quantum Information, Artificial Intelligence		・Electrical and Electronic Engineering ・Super Smart Society ■
Associate Professor	IINO, Hiroaki	Organic Electronics, TFT, Imaging Devices		・Electrical and Electronic Engineering
Professor	KAJIKAWA, Kotaro	Plasmonics, Metamaterials, Nonlinear Optics		・Electrical and Electronic Engineering
Associate Professor	SUGAHARA, Satoshi	Integrated Devices and Circuits		・Electrical and Electronic Engineering
Associate Professor	TOMA, Mana	Plasmonics and biosensors for mobile health		・Electrical and Electronic Engineering
Professor	PHAM, Nam Hai	Semiconductor/metal spintronics, Ferromagnetic semiconductor, Topological insulator		・Electrical and Electronic Engineering ・Super Smart Society ■
Professor	MANAKA, Takaaki	Organic and Polymer Electronics, Organic Devices, Nonlinear Optics		・Electrical and Electronic Engineering
Associate Professor	TAGUCHI, Dai	Dielectric physics, Organic electronics, Nonlinear Optics		・Electrical and Electronic Engineering
Associate Professor	MIYAJIMA, Shinsuke	Photovoltaic materials and devices		・Energy Science and Informatics ・Electrical and Electronic Engineering
Professor	YAMADA, Akira	Semiconductor Physics, Solar Cells, Compound Thin-Film Solar Cells		・Energy Science and Informatics ・Electrical and Electronic Engineering
Associate Professor	AKATSUKA, Hiroshi	Low-Temperature Plasma Chemistry and Physics		・Nuclear Engineering ・Electrical and Electronic Engineering
Associate Professor	OKINO, Akitoshi	Atmospheric Plasma Engineering, Spectrochemistry, Plasma Medicine		・Science and Technology for Health Care and Medicine ・Electrical and Electronic Engineering
Associate Professor	KAWABE, Kenichi	Power system engineering, Renewable energy sources		・Electrical and Electronic Engineering ・Energy Science and Informatics
Associate Professor	TAKEUCHI, Nozomi	Plasma Engineering, Electrostatics, High Voltage Engineering		・Electrical and Electronic Engineering ・Energy Science and Informatics ・Super Smart Society ■
Professor	CHIBA, Akira	Electric Machine, Magnetic Suspension	indicates person who will retire in March, 2026.	・Energy Science and Informatics
Associate Professor	KIYOTA, Kyohei	Electric Machines, motor, generator, magnetic suspension		・Energy Science and Informatics ・Electrical and Electronic Engineering ・Super Smart Society ■

Professor	FUJITA, Hideaki	Power Electronics, Electrical Machinery		・Electrical and Electronic Engineering ・Energy Science and Informatics
Associate Professor	HASEGAWA, Jun	Plasma Science and Engineering, Ion Beam Science and Engineering, Nuclear Fusion		・Nuclear Engineering ・Electrical and Electronic Engineering
Associate Professor	SANO, Kenichiro	Power Electronics, High voltage dc transmission		・Electrical and Electronic Engineering ・Energy Science and Informatics
Specially Appointed Professor	FUJII, Teruya	5G and 6G cellular system, Network cooperated cellular system, HAPS mobile communication system, Massive antenna design		・Electrical and Electronic Engineering
Specially Appointed Professor	URAKABE, Takahiro	Power electronics		・Electrical and Electronic Engineering ・Energy Science and Informatics
Specially Appointed Professor	HARADA, Shigeki	Power electronics		・Electrical and Electronic Engineering ・Energy Science and Informatics

■ The Super Smart Society Graduate Major is a Doctoral Program.

School of Engineering

(8) Dept. of Information and Communications Engineering

Academic Supervisor		Research Field	Remarks	Graduate Major
Associate Professor	ISLAM, Mahfuzul	Neuromorphic hardware, Low-power sensor, Power converter, Data converter, Spintronics application		・Information and Communications Engineering
Professor	ISSHIKI, Tsuyoshi	System-LSI Design Methodology, Embedded Processor Design		・Information and Communications Engineering
Professor	OGATA, Wakaha	Modern Cryptography, Cryptographic Protocol, Provable Security	Doctoral program only	・Information and Communications Engineering
Professor	OKUMURA, Manabu	Natural Language Processing, Text Summarization, Text Mining, Sentiment Analysis	Retire in March 2027	・Information and Communications Engineering
Associate Professor	OBI, Takashi	Medical Informatics, Madical Image Processing, Information Security, Secure System		・Information and Communications Engineering ・Science and Technology for Health Care and Medicine ・Super Smart Society ■
Associate Professor	KASAI, Kenta	Coding Theory, Quantum Error Correction Spatially Coupled Codes	Doctoral program only	・Information and Communications Engineering
Professor	KANEKO, Hirohiko	Visual Information Processing, Human Space Perception, Eye Movements,Multimodal Sensory Interaction		・Science and Technology for Health Care and Medicine ・Information and Communications Engineering
Professor	KOIKE, Yasuharu	Human Interface, Computational Neuroscience		・Science and Technology for Health Care and Medicine ・Information and Communications Engineering ・Super Smart Society ■
Associate Professor	SASAKI, Hiroshi	Computer Architecture, Computer Security, Computer Systems, Internet of Things (IoT), Workload Characterization		・Information and Communications Engineering
Professor	SHINOZAKI, Takahiro	Speech Understanding, Dialogue System, Reinforcement Learning, Machine Learning		・Information and Communications Engineering ・Super Smart Society ■
Professor	SUZUKI, Kenji	Deep Learning, Machine Learning, Computer-aided Diagnosis, Medical Imaging, Artificial Intelligence, Biomedical Image Understanding.		・Science and Technology for Health Care and Medicine ・Information and Communications Engineering ・Super Smart Society ■
Professor	SLAVAKIS Konstantinos	Signal Processing, Machine Learning, Data Analytics		・Science and Technology for Health Care and Medicine ・Information and Communications Engineering ・Super Smart Society ■
Professor	TAKAHASHI, Atsushi	VLSI CAD, Physical Design, Synchronous Circuits		・Information and Communications Engineering
Associate Professor	TABARU, Marie	Biomedical Engineering Measurement, Agricultural Engineering Measurement, Acoustic Engineering		・Information and Communications Engineering ・Super Smart Society ■
Associate Professor	Thiem Van Chu	Computing Architecture, FPGA, Domain-Specific Accelerators, AI Accelerators		・Information and Communications Engineering
Associate Professor	NAGAI, Takehiro	Color Science and Technology、Material Perception Science、Visual Psychophysics		・Science and Technology for Health Care and Medicine ・Information and Communications Engineering
Associate Professor	NAKATANI, Momoko	Human Computer Interaction, Service Design, Communication Enhancement, Well-being		・Engineering Sciences and Design
Associate Professor	NISHIO, Takayuki	Wireless Networks, Application of Machine Learning, Federated Learnimg, Ambient Sensing, Multi-modal System, Resource Coordination		・Information and Communications Engineering
Associate Professor	HASEGAWA, Shoichi	Virtual Reality, Physics Engine, Haptics, Character motion, Interaction		・Information and Communications Engineering ・Engineering Sciences and Design
Associate Professor	HARA, Yuko	Embedded Systems, Internet of Things (IoT), Hardware/Software Co-design, Hardware Security		・Information and Communications Engineering

Professor	FUKAWA, Kazuhiko	Wireless Communications, Wireless Communication Networks, Intelligent Signal Processing, Adaptive Filter Theory		・Information and Communications Engineering ・Super Smart Society ■
Associate Professor	FUJIKI, Daichi	Computer Architecture, Computer System, Domain-Specific Architecture (DNN, Genomics, Privacy Preserved Databases), Memory-Centric Computing (PIM/CIM)		・Information and Communications Engineering
Associate Professor	FUNAKOSHI, Kotaro	Natural Language Processing, Multimodal Dialogue System, Human-Machine Interaction		・Information and Communications Engineering ・Science and Technology for Health Care and Medicine ・Engineering Sciences and Design
Professor	MATSUMOTO, Ryutaroh	Quantum Information, Error-Correcting Code, Information Theory,	Doctoral program only	・Information and Communications Engineering ・Super Smart Society ■
Associate Professor	MIYATA, Sumiko	Information and Communication Network, Information Security, IoT, Non-Terrestrial Network, IoT Network		・Information and Communications Engineering
Professor	YAMAOKA, Katsunori	Information and Communication Network	Doctoral program only	・Information and Communications Engineering
Professor	YAMAGUCHI, Masahiro	Optical Imaging and Display, Spectral Imaging, Pathology Image Analysis, Holography		・Science and Technology for Health Care and Medicine ・Information and Communications Engineering
Professor	YAMADA, Isao	Signal Processing, Optimization, Inverse Problems, Machine Learning	Doctoral program only	・Information and Communications Engineering ・Super Smart Society ■
Associate Professor	WATANABE, Yoshihiro	Computer Vision, Augmented Reality, Digital Archiving, Human-computer Interaction		・Information and Communications Engineering ・Super Smart Society ■

■ The Super Smart Society Graduate Major is a Doctoral Program.

School of Engineering

(9) Dept. of Industrial Engineering and Economics

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	ICHISE, Ryutaro	Artificial Intelligence, Machine Learning, Semantic Web, Data Mining		・Industrial Engineering and Economics
Professor	UMEMURO, Hiroyuki	Affect and Emotion, Gerontechnology, Human Factors		・Industrial Engineering and Economics
Professor	SHIOURA, Akiyoshi	Discrete Optimization, Operations Research, Algorithm Theory		・Industrial Engineering and Economics
Professor	SENOO, Dai	Knowledge Management, Leadership		・Industrial Engineering and Economics ・Engineering Sciences and Design
Professor	NAKATA, Kazuhide	Operations Research, Continuous Optimization, Machine Learning		・Industrial Engineering and Economics
Professor	NAGATA, Kyoko	Financial Reporting, Company Analysis, Corporate Governance		・Industrial Engineering and Economics
Associate Professor	INOUE, Yuki	Innovation Management, Strategic Management, Platform, Business Ecosystem		・Industrial Engineering and Economics
Associate Professor	UOZUMI, Ryuji	Biostatistics, Applied Statistics, Medical Research, Data Science		・Industrial Engineering and Economics
Associate Professor	OGASAWARA, Kota	Cliometrics, Economic History		・Industrial Engineering and Economics
Associate Professor	KAWASAKI, Ryo	Mathematical Economics, Game Theory		・Industrial Engineering and Economics
Associate Professor	KIMURA, Yosuke	Corporate Finance, Firm Dynamics		・Industrial Engineering and Economics
Associate Professor	GU, Xiuzhu	Healthcare management, Safety engineering, Human factors		・Industrial Engineering and Economics
Associate Professor	KOBAYASHI, Ken	Operations Research, Mathematical Optimization		・Industrial Engineering and Economics
Associate Professor	FUKUDA, Emiko	Industrial Economics, Game Theory		・Industrial Engineering and Economics
Associate Professor	HORI, Takeo	Dynamic Macroeconomics, Economic Growth		・Industrial Engineering and Economics
Associate Professor	MORITA, Hiroshi	Macroeconomics, Time series analysis		・Industrial Engineering and Economics
Visiting Professor	MASUI, Toshihiko	Environmental Economic Modeling	Supporting supervisor	・Industrial Engineering and Economics
Visiting Associate Professor	KANAMORI, Yuko	Environmental Economic Modeling	Supporting supervisor	・Industrial Engineering and Economics

School of Materials and Chemical Technology

(10) Dept. of Materials Science and Engineering

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	AZUMA, Masaki	Solid State Chemistry		・Materials Science and Engineering ・Materials and Information Sciences ■
Professor	IKOMA, Toshiyuki	Bioceramics, Biosensing, Nanomedicine, Tissue Engineering		・Materials Science and Engineering ・Science and Technology for Health Care and Medicine
Professor	INAMURA, Tomonari	Martensitic Transformation, Kink Deformation, Geometry of Microstructure		・Materials Science and Engineering ・Energy Science and Informatics
Professor	OBA, Fumiyasu	Computational Design of Electronic and Energy Materials		・Materials Science and Engineering ・Materials and Information Sciences ■
Professor	KAMATA, Keigo	Catalytic Chemistry, Environment-Friendly Chemical Process		・Materials Science and Engineering ・Energy Science and Informatics ・Materials and Information Sciences ■
Professor	KAMIYA, Toshio	Semiconductors, Optoelectronic Devices, Computer simulation		・Materials Science and Engineering ・Materials and Information Sciences ■
Professor	KITANO, Masaaki	Heterogeneous Catalyst, Mixed anion materials, Ammonia Synthesis, CO2 conversion		・Materials Science and Engineering ・Materials and Information Sciences ■
Professor	KITAMOTO, Yoshitaka	Nanoparticles, Magnetic Materials and Devices, Biomedical Devices, Biosensors	indicates person who will retire in March, 2029.	・Science and Technology for Health Care and Medicine
Professor	KIMURA, Yoshisato	Materials Design based on Phase Diagrams and Microstructure Control, Intermetallics, Thermoelectric Materials, Heat Resistant Alloys		・Energy Science and Informatics ・Materials Science and Engineering
Professor	KOJIMA, Chie	Biomaterials, Biopolymer Chemistry, Dendrimer, Nanomedicine		・Science and Technology for Health Care and Medicine ・Materials Science and Engineering
Professor	KOBAYASHI, Yoshinao	Metal Refining and Recycling, Safety Metallurgy for Nuclear Reactors, Phase Stability, Degradation of Materials in Reactors, Waste Management		・Nuclear Engineering ・Materials Science and Engineering
Professor	SANNOMIYA, Takumi	Nanophotonics, Plasmonic Materials, Nano Materials, Electron Microscopy, Cathodoluminescence		・Materials Science and Engineering ・Science and Technology for Health Care and Medicine ・Energy Science and Informatics
Professor	SHI, Ji	Metallic Functional Materials, Nanoheterostructures, Magnetic Thin Films	indicates person who will retire in March, 2029.	・Energy Science and Informatics ・Materials Science and Engineering
Professor	SONE, Masato	Metallic Material Design for Medical Device and the Evaluation Methodology, Hybrid Materials for Wearable Device, High Sensitive Sensor Material		・Science and Technology for Health Care and Medicine ・Materials Science and Engineering
Professor	TADA, Eiji	Materials Electrochemistry, Corrosion and Protection, Corrosion Monitoring and Simulation, Surface Treatment		・Materials Science and Engineering
Professor	TSUGE, Takeharu	Biodegradable Plastics		・Science and Technology for Health Care and Medicine
Professor	NAKADA, Nobuo	Microstructure and Mechanical Properties of Iron and Steels		・Materials Science and Engineering
Professor	VACHA, Martin	Optical Properties of Organic Materials, Single Molecule Spectroscopy, Organic Semiconductor Devices, Perovskite Materials, Nanoscale Optical Properties of Organic Materials, Single Molecule Spectroscopy	indicates person who will retire in March, 2029.	・Materials Science and Engineering ・Energy Science and Informatics
Professor	HAYAKAWA, Teruaki	Polymer Synthesis, Polymer Thin Films, Self-Organizing Organic and Polymeric Materials		・Materials Science and Engineering
Professor	HAYASHI, Miyuki	Physicochemical Properties of Materials, High Temperature Process Control		・Energy Science and Informatics ・Materials Science and Engineering

Professor	HARA, Michikazu	Catalysis, Surface Science	indicates person who will retire in March, 2030.	・Materials Science and Engineering ・Energy Science and Informatics
Professor	HIRAMATSU, Hidenori	Semiconductors, Superconductors, Thin-film growth, Optoelectronic properties, Devices		・Materials Science and Engineering
Professor	FUJII, Toshiyuki	Mechanical Properties of Structural Materials, Crystallography and Crystal Defects, Electron Microscopy		・Materials Science and Engineering
Professor	FUNAKUBO, Hiroshi	Functionla Inorganic Materials , Thin Film Devices	indicates person who will retire in March, 2029.	・Materials Science and Engineering
Professor	HOSHINA, Takuya	Dielectric and Ferroelectric Materials, Phonon Analysis,Terahertz Measurement, Materials Design Using Computational and Information Sciences		・Materials Science and Engineering
Professor	HOSODA, Hideki	Materials Design, Shape Memory and Superelastic Alloys, Intermetallic Compounds, Smart Materials, Smart Composites, Biomaterials		・Materials Science and Engineering ・Science and Technology for Health Care and Medicine ・Energy Science and Informatics
Professor	MAJIMA, Yutaka	Single Nanoscale Electronic Materials and Devices, Resonant Tunneling Transistor, ELGP DNA Sequencer, Nanogap Gas Sensor, Ferroelectric Memory, Nanostructure Induced L10-Ferromagnetic Nanowire	indicates person who will retire in March, 2030.	・Materials Science and Engineering ・Materials and Information Sciences ■
Professor	MATSUSHITA, Nobuhiro	Novel Material Processes for Bio/Electronics/Environmental and Energy Applications (DDS, Biosensors, Noise suppressors, Photocatalysts, Fuel cells)		・Materials Science and Engineering ・Materials and Information Sciences ■
Professor	MATSUMOTO, Hidetoshi	Polymer Physics, Physical Chemistry of Organic Materials, Polymer Membranes and Thin Films, Energy and Environmental Materials, Nanofibers and Nanomaterials		・Energy Science and Informatics ・Materials Science and Engineering
Professor	MICHINOBU, Tsuyoshi	Polymer Synthesis, Semiconducting Polymers, Biomass Polymers		・Materials Science and Engineering
Professor	MIYAUCHI, Masahiro	Photocatalysis, Artificial Photosynthesis, Green House Gas Conversion, Hydrogen Carrier, Chemical Synthesis of Nanoparticles		・Energy Science and Informatics ・Materials Science and Engineering ・Materials and Information Sciences ■
Professor	MURAISHI, Shinji	Aluminum Alloys, Microstructure and Mechanical Properties, Upgrade Recycling, Dislocation Dynamics Simulation		・Energy Science and Informatics ・Materials Science and Engineering
Professor	MORIKAWA, Junko	Polymer Processing, Polymer Testing, Thermophysical Properties of Organic & Polymeric Materials, Thermal Devices, Thermophysical property measurements,Thermal Analysis and Simulation、ISO standardizaion	indicates person who will retire in March, 2030.	・Science and Technology for Health Care and Medicine ・Materials Science and Engineering ・Materials and Information Sciences ■
Professor	YANO, Tetsuji	Ion-Dynamics in glass for mechanical and electrochemical use, Optical properties for devices, Glasses for environmental problems	indicates person who will retire in March, 2029.	・Materials Science and Engineering
Professor	YOKOTA, Hiroko	Nonlinear optical microscopy, Local structural analysis, Evaluation of new functionalities at topological defects		・Materials Science and Engineering
Professor	YOSHIDA, Katsumi	Severe environment resistant materials, Materials for nuclear and fusion applications, Ceramic-based composites, High performance porous ceramics		・Nuclear Engineering
Associate Professor	ASAI, Shigeo	Physical Properties of Organic Materials, Polymer Composites	indicates person who will retire in March, 2027.	・Materials Science and Engineering

Associate Professor	ANRAKU, Yasutaka	Biomaterials, Nanoparticles, Drug Delivery Systems		・Materials Science and Engineering
Associate Professor	IZAWA, Seiichiro	Organic Optoelectronic Materials, Organic Semiconductors, Organic Solar Cells, Organic Light-Emitting Diodes		・Materials Science and Engineering
Associate Professor	ISHIKAWA, Satoshi	Heterogeneous Catalyst, Selective Oxidation, Acid-Base Reaction		・Materials Science and Engineering
Associate Professor	UEDA, Mitsutoshi	High Temperature Oxidation of Heat Resistant Steels and Alloys Physical Chemistry at High Temperature	indicates person who cannot be an intended supervisor until March, 2027.	・Energy Science and Informatics ・Materials Science and Engineering
Associate Professor	ISOBE, Toshihiro	Environmental Ceramics, Porous ceramics, Membrane, Functional ceramics		・Materials Science and Engineering
Associate Professor	OOI, Azusa	Energy materials, Biomaterials, Structural materials, Electrochemistry, Corrosion science, Environmental degradation of materials, Development of the new material degradation evaluation method		・Science and Technology for Health Care and Medicine ・Materials Science and Engineering
Associate Professor	KATASE, Takayoshi	Oxide electronics, Energy materials, Thin film device		・Materials Science and Engineering
Associate Professor	KANEKO, Satoshi	Nano-Physical Chemistry, Single-Molecule Science, Single-Molecule Spectroscopy, Molecular Electronics		・Materials Science and Engineering
Associate Professor	KAWAMURA, Kenichi	Fuel Cells, Heat-resisting Alloys, Solid State Ionics, High Temperature Physical Chemistry, Electrochemistry		・Materials Science and Engineering
Associate Professor	KISHI, Tetsuo	optical materials, glass materials, optical devices, laser prrocess, adhesion science		・Materials Science and Engineering
Associate Professor	Chiu,Wan-Ting	Composite materials, Surface and interface, Materials design, Electrochemistry, Finite element method		・Materials Science and Engineering
Associate Professor	GOHDA, Yoshihiro	Electron Theory of Magnetic Materials, Heat-Resistant Alloys, and Nano-Interfaces		・Materials Science and Engineering
Associate Professor	KOBAYASHI, Equo	Non-ferrous Metals (Titanium, Aluminum, Magnesium, and Copper Alloys), Biomedical Materials, Composites, Phase Stability, Alloy Designing, Materials Characterization, and Standardization of Medical Equipmen	indicates person who will retire in March, 2028.	・Materials Science and Engineering ・Science and Technology for Health Care and Medicine
Associate Professor	KOBAYASHI, Satoru	Heat resistant steels and alloys for energy and transportation, Microstructural control and design, Intermetallics, Creep, High temperature hydrogen d amage, Additive manufacturing		・Materials Science and Engineering
Associate Professor	SAGARA, Yoshimitsu	Organic Supramolecules, Stimuli-responsive Luminescent Materials, Mechanophore		・Materials Science and Engineering ・Materials and Information Sciences ■
Associate Professor	SASAGAWA, Takao	Strongly Correlated Electron Systems		・Materials Science and Engineering ・Energy Science and Informatics
Associate Professor	TAHARA, Masaki	Development of Functional Metallic Materials by Structural Phase Transition, Metallic Materials for Medical and Energy Applications, Metal 3D Printing		・Materials Science and Engineering ・Science and Technology for Health Care and Medicine

Associate Professor	CHEN, Chun-Yi	Materials Electrochemistry, Hetero-Nanostructures, Functional Energy Conversion Materials		・Materials Science and Engineering
Associate Professor	CHANG, Tso-Fu Mark	Electrodeposition, Metal-based Catalyst, Metal/Metal Oxide Composite Photocatalyst, Metal/Polymer Flexible Functional Materials		・Science and Technology for Health Care and Medicine ・Materials Science and Engineering
Associate Professor	TERADA, Yoshihiro	Microstructure Control and Mechanical Strength of High-Temperature Materials for Aerospace Applications, Alloy Development for Advanced Automobile Powertrain Applications		・Materials Science and Engineering
Associate Professor	NAKATSUJI, Kan	Surface and Interface Physics		・Materials Science and Engineering
Associate Professor	NABAE, Yuta	Organic and polymeric materials for catalysis, electrocatalysts for fuel cells, synthesis of aromatic polymers		・Energy Science and Informatics ・Materials Science and Engineering
Associate Professor	HAYASHI, Tomohiro	Nanobio science, Biointerface & Biomaterials, Materials Informatics		・Science and Technology for Health Care and Medicine
Associate Professor	HAYAMIZU, Yuhei	Organic materials physics, Bio-Nano interface, Nano Materials , Biosensors		・Materials Science and Engineering ・Science and Technology for Health Care and Medicine ・Materials and Information Sciences ■
Associate Professor	HARUMOTO, Takashi	Materials for Hydrogen-based Society (Hydrogen Storage Alloys, Hydrogen Sensing Materials), Phase Change Materials, Magnetic Thin Films		・Materials Science and Engineering
Associate Professor	MATSUSHITA, Sachiko	Thermal Energy Conversion, Semiconductor-Sensitized Thermal Cell, Renewable Energy （Electrochemistry, Materials Chemistry)		・Materials Science and Engineering ・Energy Science and Informatics
Associate Professor	MATSUDA, Akifumi	Nanomaterials for electronic and energy, Epitaxial thin films and nanostructures, Low-temperature nanomaterials synthesis, Highly-oriented flexible devices		・Energy Science and Informatics ・Materials Science and Engineering
Associate Professor	LEI,　Xiao-Wen	Computational Materials Science, Function Design of Nanoscale Systems, Mathematical Science of Lattice Defect		・Materials Science and Engineering
Associate Professor	YASUI, Shintaro	Development of Emerging Functional Materials (Li-ion Battery, Energy Materials, Ferroelectrics, Piezoelectrics, Multiferroics)		・Nuclear Engineering ・Materials Science and Engineering
Associate Professor	YANAKA, Saeko	Biomolecules, Biomolecule Engineering, Nuclear Magnetic Resonance		・Science and Technology for Health Care and Medicine ・Materials Science and Engineering
Associate Professor	YAMAGUCHI, Akira	electrocatalysts, hydrothermal electrochemistry		・Energy Science and Informatics ・Materials Science and Engineering ・Materials and Information Sciences ■
Associate Professor	RYU, Meguya	soft matter processing, MEMS device fabrication, phonon dynamics, Process in-situ measurements, nanomaterials, Physical Properties of Polymeric Materials		・Materials Science and Engineering
Assistant Professor (Tenure Track)	Omagari, Shun	Functional Organic Materal, Functional Nanomaterial, Single-molecule Spectroscopy, Computational Chemistry		・Materials Science and Engineering

■ The Materials and Information Sciences Graduate Major is a Doctoral Program.

School of Materials and Chemical Technology

(11) Dept. of Chemical Science and Engineering

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	ISHIZONE, Takashi	Polymer Synthesis, Living Polymerization		・Chemical Science and Engineering
Professor	OTSUKA, Hideyuki	Polymer Reactions, Smart Polymeric Materials, Polymer Synthesis		・Chemical Science and Engineering
Professor	SATOH, Kotaro	Polymer Synthesis,Precision Polymerization, Bio-Based Monomer		・Chemical Science and Engineering ・Energy Science and Informatics
Professor	TANAKA, Katsunori	Synthetic Organic Chemistry, Bioorganic Chemistry, Chemical Biology		・Science and Technology for Health Care and Medicine ・Chemical Science and Engineering
Professor	TANAKA, Ken	Synthetic Organic Chemistry, Asymmetric Synthesis, Organometallic Chemistry		・Chemical Science and Engineering
Professor	NAKAJIMA, Yumiko	Organometallic Chemistry, Coordination Chemistry, Silicon Chemistry, Catalyst Chemistry, Hybrid Materials		・Chemical Science and Engineering
Associate Professor	ITO, Shigekazu	Physical Chemistry, Organic Synthesis, Main Group Chemistry, Muon Science		・Chemical Science and Engineering
Associate Professor	KONISHI, Gen-ichi	Polymer Synthesis, Photochemistry, Fluorescent Dye, Liquid Crystal, Organic Chemistry		・Chemical Science and Engineering
Associate Professor	MAEDA, Chihiro	Physical Organic Chemistry, Synthetic Organic Chemistry, Supramolecular Chemistry		・Chemical Science and Engineering
Professor	OKOCHI, Mina	Biochemical Engineering, Peptide Engineering, Biosensing, Biotechnology, Medical and Biological Engineering		・Science and Technology for Health Care and Medicine ・Chemical Science and Engineering ・Earth-Life Science ★
Professor	OHTOMO, Akira	Solid-State Chemistry, Materials Chemistry, Crystal Engineering, Semiconductor Engineering, Solid-State Physics		・Chemical Science and Engineering
Professor	SERIZAWA, Takeshi	Biomacromolecular Chemistry, Biomaterials Science and Engineering, Molecular Assembly, Materials Chemistry		・Chemical Science and Engineering ・Materials and Information Sciences ■
Professor	TSUKAHARA, Takehiko	Organic-inorganic Hybrid Material, Analytical Chemistry, Nuclear Chemistry, Interface Science, Environmental Science, Resource Recycling		・Nuclear Engineering ・Chemical Science and Engineering
Professor	TOKITA, Masatoshi	Polymer Structures and Properties, Liquid Crystals, Polymer Brushes		・Chemical Science and Engineering
Professor	NAKAJIMA, Ken	Polymer Physics, Rubber Industry, Atomic Force Microscopy		・Chemical Science and Engineering
Professor	MURAHASHI, Tetsuro	Synthetic Inorganic and Organometallic Chemistry, Coordination Chemistry		・Chemical Science and Engineering
Associate Professor	ISHIGE, Ryohei	Structural analysis of polymers, thin film, synchrotron X-ray, vibrational spectroscopy, liquid crystal		・Chemical Science and Engineering
Associate Professor	SAWADA, Toshiki	Biomolecular Chemistry, Biopolymer Science, Bioorganic Chemisgtry, Soft Material, Peptide/Protein Engineering, Machine Learning		・Chemical Science and Engineering ・Materials and Information Sciences ■
Associate Professor	TAKAO, Koichiro	Actinide Chemistry, Coordination Chemistry, Nuclear Fuel Cycle, Fuel Reprocessing, Radioactive Wastes, Decontamination		・Nuclear Engineering ・Chemical Science and Engineering
Associate Professor	TAKAO, Toshiro	Organometallic Chemistry, Inorganic Chemistry		・Chemical Science and Engineering

Associate Professor	YOSHIMATSU, Kohei	Solid-state chemistry, Thin films, Electron spectroscopy, Computional materials science		・Chemical Science and Engineering
Associate Professor	LIANG, Xiaobin	Polymer physics, Nanostructure science, Nano composite materials/physical properties		・Chemical Science and Engineering
Professor	IHARA, Manabu	Energy Conversion on Chemical Engineering, Electrochemistry, Fuel Cells, Solar Cells, Energy system		・Energy Science and Informatics ・Chemical Science and Engineering
Professor	KATO, Yukitaka	Zero-Carbon Energy Systems, Energy Storage & Conversion, Carbon Recycling Energy Systems, Chemical Heat Pump, Hydrogen Energy	Retirement at Mar. 2027	・Nuclear Engineering ・Chemical Science and Engineering
Professor	SHIMOYAMA, Yusuke	Molecular crystal & assembly, Pharmaceutical・cosmetic formulation, CO2 utlization, Machine-learning, Information & data technology		・Materials and Information Sciences ■ ・Chemical Science and Engineering ・Energy Science and Informatics
Professor	SEKIGUCHI, Hidetoshi	Reactions in High Energy Density Media, Plasma Processing, Energy & Environmental Chemical Engineering	Retirement at Mar. 2028	・Chemical Science and Engineering ・Energy Science and Informatics
Professor	TAGO, Teruoki	Chemical Reaction Engineering, Catalytic Reaction Engineering, Catalyst & Environmental Chemical Process, Porous Catalyst		・Chemical Science and Engineering ・Energy Science and Informatics
Professor	NAKAMURA, Ryuhei	Origin of life, Earth-life science, Electrocatalysis		・Earth-Life Science ★ ・Chemical Science and Engineering
Professor	MATSUMOTO, Hideyuki	Process Systems Engineering, Process Intensification, Process Informatics, Nitrogen Cycle, Carbon Recycling, Renewable Energy		・Materials and Information Sciences ■ ・Chemical Science and Engineering ・Energy Science and Informatics
Associate Professor	AOKI, Saiko	Tribology, Lubricating oil and additives, Surface Engineering, Affective Engineering		・Chemical Science and Engineering ・Energy Science and Informatics
Associate Professor	HARADA, Takuya	Carbon Capture & Utilization, Inorganic Materials, Chemical Pprocess Engineering, Low-carbon Energy System, Nuclear Energy		・Nuclear Engineering ・Chemical Science and Engineering
Associate Professor	MANZHOS, Sergei	Materials modeling, machine learning, energy conversion and storage		・Energy Science and Informatics ・Chemical Science and Engineering
Associate Professor	MORI, Shinsuke	Plasma Processing, Heat Transfer		・Chemical Science and Engineering ・Energy Science and Informatics
Associate Professor	YOSHIKAWA, Shiro	Fluid Dynamics, Transport Phenomena	Retirement at Mar. 2027	・Chemical Science and Engineering
Professor	INAGI, Shinsuke	Organic Electrochemistry, Polymer Chemistry		・Energy Science and Informatics ・Chemical Science and Engineering
Professor	OKAMOTO, Toshihiro	Synthetic Organic Chemistry, Organic/Polymer Materials Chemistry, Organic Electronics		・Energy Science and Informatics ・Chemical Science and Engineering
Professor	TOMITA, Ikuyoshi	Polymer Synthetic Chemistry		・Chemical Science and Engineering ・Energy Science and Informatics
Professor	FUKUSHIMA, Takanori	Molecular Functional Materials (π-Electronic Materials, Molecular/Polymer Self-Assembly, Nanocarbons, Metal Complexes), Organic Synthesis		・Chemical Science and Engineering
Professor	YOSHIZAWA, Michito	Supramolecular Chemistry, Synthetic Chemistry, Nanospace, Water, Photofunction, Biosensor		・Chemical Science and Engineering
Associate Professor	SAWADA, Tomohisa	Supramolecular Chemistry, Organic Chemistry, Coordination Chemistry, Self-Assembly, Peptide, Topology		・Chemical Science and Engineering

Associate Professor	SHOJI, Yoshiaki	Functional π-Conjugated Molecules and Polymers, Highly Reactive Main-Group Species		・Chemical Science and Engineering
Associate Professor	NAKAZONO, Kazuko	Polymer synthesis, Supramolecular Chemistry		・Energy Science and Informatics ・Chemical Science and Engineering
Professor	SHISHIDO, Atsushi	Polymer Physical Chemistry, Liquid Crystals, Optical Function, Mechanical Function		・Chemical Science and Engineering ・Energy Science and Informatics
Professor	YAMAMOTO, Kimihisa	Nano-materials Chemistry, Metallochemistry, Macromolecular Science	Retirement at Mar. 2027	・Chemical Science and Engineering
Associate Professor	IMAOKA, Takane	Metal Clusters, Coordination Chemistry, Catalysis, Electron Microscopy		・Chemical Science and Engineering
Associate Professor	KUBO, Shoichi	Polymer Chemistry, Materials Chemistcy		・Chemical Science and Engineering ・Energy Science and Informatics
Associate Professor	TANAKA, Masayoshi	Biomolecular Chemistry, Protein Engineering, Applied Microbiology, Multi-Omics Science, Medical and Biological Engineering		・Science and Technology for Health Care and Medicine ・Chemical Science and Engineering
Professor	ARAI, Hajime	Secondary battery, Metal-air battery, Electrochemistry, Operando (In situ) analysis		・Energy Science and Informatics ・Chemical Science and Engineering
Professor	TATEYAMA, Yoshitaka	Computational Materials Science, Electrochemistry, Interface Science, Ionics, Battery&Cell, Catalyst		・Chemical Science and Engineering ・Materials and Information Sciences ■
Professor	HIRAYAMA, Masaaki	Energy Conversion Materials, Inorganic and Solid State Chemistry, Electrochemical Interface Design		・Energy Science and Informatics ・Chemical Science and Engineering
Professor	YAMAGUCHI, Takeo	Water Electrolysis and Fuel Cell Engineering, Bio-inspired Materials, Membrane Science and Engineering		・Materials and Information Sciences ■ ・Chemical Science and Engineering ・Energy Science and Informatics
Professor	YOKOI, Toshiyuki	Catalytic Chemistry, Nanospace Catalysts, Zeolite Science, Green Chemistry		・Chemical Science and Engineering
Associate Professor	ANDO, Yasunobu	Computational Materials Science, Materials Informatics, Surface&interface Science, Battery&Cell, Research Digital Transformation		・Materials and Information Sciences ■ ・Chemical Science and Engineering
Associate Professor	KUROKI, Hidenori	Materials and Devices for Energy Conversion, Nanostructured Materials, Electrocatalysts, Functionalized Membranes		・Chemical Science and Engineering ・Materials and Information Sciences ■
Associate Professor	SUZUKI, Kota	Solid State Chemistry, Energy Convertion Materials, Novel Energy Storage Device, and Material Seaerch by Machiene Learning		・Energy Science and Informatics ・Chemical Science and Engineering
Associate Professor	TOYODA, Sakae	Environmental Chemistry, Material Cycle Analysis		・Chemical Science and Engineering ・Energy Science and Informatics
Associate Professor	YAMADA, Keita	Organic Geochemistry, Isotope Chemistry		・Chemical Science and Engineering ・Energy Science and Informatics
Associate Professor	WADA, Hiroyuki	Photovoltaics, Solar cell, Cancer therapy, Nanomaterial		・Energy Science and Informatics ・Science and Technology for Health Care and Medicine ・Chemical Science and Engineering

★ The Earth-Life Science Graduate Major is an Integrated Doctoral Educational Program (master's and doctoral level).

■ The Materials and Information Sciences Graduate Major is a Doctoral Program.

School of Computing

(12) Dept. of Mathematical and Computing Science

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	ARAI, Zin	Dynamical Systems, Computational Topology		・Mathematical and Computing Science
Professor	ENDO, Toshio	High-Performance Computing, Supercomputers, Parallel Software, GPU Computing	IIR	・Mathematical and Computing Science
Associate Professor	KASHIMA, Ryo	Mathematical Logic, Non-Classical Logics		・Mathematical and Computing Science
Professor	KANAMORI, Takafumi	Mathematical Statistics, Machine Learning		・Mathematical and Computing Science
Associate Professor	KOBAYASHI, Ryohei	Computer Systems, High Performance Computing, Accelerator (GPU, FPGA, etc.), Reconfigurable Computing System, Accelerating Parallel Applications	IIR	・Mathematical and Computing Science
Associate Professor	SAKAMOTO, Ryuichi	Computer Architecture, System Software, Low Power System, High Performance Computing		・Mathematical and Computing Science
Associate Professor	SUZUKI, Sakie	Knot Theory, Quantum Topology		・Mathematical and Computing Science
Associate Professor	SUMITA, Hanna	Combinatorial Optimization, Discrete Structure, Algorithms		・Mathematical and Computing Science
Assistant Professor (Tenure Track)	CONG, Youyou	Programming Languages, Programming Education		・Mathematical and Computing Science
Associate Professor	TAKAHASHI, Jin	Partial Differential Equations, Parabolic Equations		・Mathematical and Computing Science
Associate Professor	TAKABE, Satoshi	Statistical Physics, Signal Processing, Machine Learning, Optimization		・Mathematical and Computing Science
Professor	TANAKA, Keisuke	Cryprocurrency and Blookchain Technology, Cybersecurity, Theory of Cryptography		・Mathematical and Computing Science
Professor	TANAKA, Ken'ichiro	Numerical Analysis, Algorithms for Numerical Computation		・Mathematical and Computing Science
Associate Professor	TSUCHIOKA, Shunsuke	Quantum Algebra, Representation Theory		・Mathematical and Computing Science
Associate Professor	NAKANO, Yumiharu	Stochastic Differential Equations, Stochastic Control		・Mathematical and Computing Science
Professor	NISHIBATA, Shinya	Partial Differential Equations, Hyperbolic Equations, Fluid Equations, Model Equations for Semiconductor and Plasma Physics		・Mathematical and Computing Science
Professor	FUJISAWA, Katsuki	Mathematical Optimization, Graph Analysis, Deep Learning, High-Performance Computing	IIR	・Mathematical and Computing Science
Professor	MASUHARA, Hidehiko	Programming Languages, Software Development Environment		・Mathematical and Computing Science
Professor	MATSUURA, Satoshi	Cybersecurity, Cyber Resilience, Incident Response Technology	CII	・Mathematical and Computing Science
Professor	MINAMIDE, Yasuhiko	Software Verification, Programming Languages		・Mathematical and Computing Science
Professor	MIYOSHI, Naoto	Applied Probability, Stochastic Models, Theory of Point Processes, Queueing Theory		・Mathematical and Computing Science

Associate Professor	YASUNAGA, Kenji	Cryptography, Coding Theory, Theory of Computing		・Mathematical and Computing Science
Professor	YAMASHITA, Makoto	Mathematical Optimization, Continuous Optimization, Numerical Optimization		・Mathematical and Computing Science
Associate Professor	YOKOI, Yu	Discrete Algorithms, Discrete Mathematics, Algorithmic Game Theory		・Mathematical and Computing Science
Associate Professor	WAKITA, Ken	Information Visualization, Visual Analytics System, Data Analysis		・Mathematical and Computing Science

School of Computing

(13) Dept. of Computer Science

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	ARASE, Yuki	Natural Language Processing, Natural Language Understanding and Generation, Computer-Assisted Language Learning, NLP for Healthcare		・Artificial Intelligence ・Computer Science
Professor	ISHIDA, Takashi	Data Mining, Bioinformatics		・Science and Technology for Health Care and Medicine ・Artificial Intelligence ・Computer Science
Professor	OKAZAKI, Naoaki	Natural Language Processing, Artificial Intelligence, Deep Learning, Social Media Analytics		・Artificial Intelligence ・Computer Science
Professor	ONO, Isao	Evolutionary Computation, Optimization		・Energy Science and Informatics ・Artificial Intelligence ・Computer Science ・Science and Technology for Health Care and Medicine
Professor	KISE, Kenji	Computer Architecture		・Computer Science ・Artificial Intelligence
Professor	KOBAYASHI, Takashi	Software Engineering		・Computer Science ・Artificial Intelligence
Professor	GONDOW, Katsuhiko	Software Development Environments		・Computer Science ・Artificial Intelligence
Professor	SAKUMA, Jun	Machine Learning, Deep Learning, Responsible AI, AI Security, Explainable AI, Data Privacy		・Artificial Intelligence ・Computer Science ・Super Smart Society ■
Professor	SHINODA, Koichi	Statistical Pattern Recognition, Audio and Video Scene Understanding		・Artificial Intelligence ・Computer Science ・Energy Science and Informatics ・Super Smart Society ■
Professor	TAKAYASU, Misako	Econophysics, Sociophysics, Statistical Physics, Big Data Analysis, Simulation Science		・Artificial Intelligence ・Computer Science
Professor	TAKINOUE, Masahiro	Molecular Computing, Biophysics, Physical & Chemical Simulation, Nonlinear & Nonequilibrium Physics, Artificial Life, Artificial Cell, DNA Nanotechnology, Molecular Robotics, Wet Experiments		・Artificial Intelligence ・Science and Technology for Health Care and Medicine ・Computer Science ・Materials and Information Sciences ■
Professor	DEFAGO, Xavier	Distributed Algorithms, Dependable Systems, Cooperative Mobile Robots		・Computer Science ・Artificial Intelligence
Professor	NISHIZAKI, Shinya	Semantics of Programming Languages, Software Science		・Computer Science ・Artificial Intelligence
Professor	HAYASHI, Shinpei	Software Engineering		・Computer Science ・Artificial Intelligence
Professor	MIYAZAKI, Jun	Database Systems, Data-Centric High Performance Computing, Cloud Computing		・Computer Science ・Artificial Intelligence
Professor	MURATA, Tsuyoshi	Artificial Intelligence, Network Science, Machine Learning, Social Network Analysis, Web Mining		・Artificial Intelligence ・Computer Science
Professor	YOKOTA, Rio	High Performance Computing, Large Scale Deep Learning, Scientific Computing, Scalable Linear Algebra Algorithms		・Computer Science ・Artificial Intelligence

Professor	YOSHIMURA, Natsue	Brain Activity Information Decoding (Motor Control, Emotion, Language, etc), Brain-machine Interfaces, Machine Learning, EEG, fMRI		・Science and Technology for Health Care and Medicine ・Artificial Intelligence ・Computer Science
Professor	WATANABE, Takuo	Programming Languages, Embedded Systems, Formal Methods		・Computer Science ・Artificial Intelligence ・Energy Science and Informatics
Associate Professor	INOUE, Nakamasa	Multimedia Analysis, Video Retrieval, Image Recognition, Speech Recognition, Deep Learning, Artificial Intelligence		・Artificial Intelligence ・Computer Science
Associate Professor	OHUE, Masahito	Bioinformatics, Machine Learning, Chemoinformatics, Supercomputing, Biophysics		・Artificial Intelligence ・Computer Science
Associate Professor	ONO, Shunsuke	Signal Processing, Image Processing, Mathematical Optimization, Data Science & AI		・Artificial Intelligence ・Computer Science
Associate Professor	KANEKO, Haruhiko	Dependable System, Joint Coding Theory		・Computer Science ・Artificial Intelligence
Associate Professor	KANEZAKI, Asako	Machine Learning, Robotics, Pattern Recognition, Computer Vision, 3D Object Recognition		・Artificial Intelligence ・Computer Science ・Super Smart Society ■
Associate Professor	SAITO, Suguru	Computer Graphics, Image Processing		・Artificial Intelligence ・Computer Science ・Super Smart Society ■
Associate Professor	SHIMOSAKA, Masamichi	Machine Learning, Pattern Recognition, Reinforcement Learning, Mobile and Ubiquitous Computing, Big Data Analytics		・Artificial Intelligence ・Computer Science ・Materials and Information Sciences ■
Associate Professor	SEKIJIMA, Masakazu	Bioinformatics, Chemoinformatics, Supercomputing		・Materials and Information Sciences ■ ・Artificial Intelligence ・Computer Science
Associate Professor	CAO, Yang	Data Privacy, Secure Data Management, Data Market, Trustworthy Data Science		・Computer Science ・Artificial Intelligence
Associate Professor	TEI, Kenji	Self-adaptive Systems, Software Architecture, Requirements Engineering, Model-Driven Engineering, Software Verification and Synthesis		・Computer Science ・Artificial Intelligence
Associate Professor	YOSHINO, Koichiro	Intelligent Robot Dialogue, Natural Language Processing (Language Understanding, Language Generation), Spoken Language Processing (Automatic Speech Recognition, Spoken Dialogue), Multimodal Information Processing (Vision & Language), Machine Learning, Reinforcement Learning		・Artificial Intelligence ・Computer Science
Assistant Professor (Tenure Track)	HAMADA, Shogo	Molecular Robotics, Nano-bio Systems Engineering, DNA Nanotechnology, Molecular Computing, Programmable Biomaterials		・Artificial Intelligence ・Computer Science ・Science and Technology for Health Care and Medicine
Assistant Professor (Tenure Track)	MIYAFUJI, Shio	Human-Computer Interaction, Spatial Augmented Reality, Virtual Reality, Computer-Supported Cooperative Work, Skill Acquisition Support		・Computer Science ・Artificial Intelligence
Specially Appointed Professor	SATO, Ikuro	Pattern Recognition, Machine Learning, Image Sensing, Autonomous Driving		・Artificial Intelligence ・Computer Science

■ The Materials and Information Sciences Graduate Major and the Super Smart Society Graduate Major are Doctoral Programs.

School of Life Science and Technology

(14) Dept. of Life Science and Technology

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	ISHII, Yoshitaka	Physical Chemistry, Structural Biology, Alzheimer's Disease		・Life Science and Technology ・Science and Technology for Health Care and Medicine
Professor	ITOH, Takehiko	Bioinformatics		・Life Science and Technology
Professor	UENO, Takafumi	Bioinorganic Chemistry, Biophysical Chemistry, Biosupramolecular Chemistry		・Life Science and Technology ・Science and Technology for Health Care and Medicine
Professor	OSAKABE, Yuriko	Genetic Engineering and Genome Editing, Molecular Biology (Applications for medicine and molecular breeding)		・Life Science and Technology ・Science and Technology for Health Care and Medicine
Professor	KAMACHI, Toshiaki	Bioinorganic Chemistry, Cellular Imaging of Oxygen		・Life Science and Technology ・Science and Technology for Health Care and Medicine
Professor	KAMIYA, Mako	Chemical Biology		・Life Science and Technology ・Science and Technology for Health Care and Medicine
Professor	KAWAI, Kiyohiko	Bioorganic Chemistry, Photochemistry, Nucleic Acid Chemistry, Single Molecule Analysis and Diagnosis (Pathological diagnosis)		・Life Science and Technology
Professor	KITAO, Akio	Computational Biology, Biophysics, Computational Chemistry, Protein Dynamics		・Life Science and Technology
Professor	KIMURA, Hiroshi	Epigenetics and Cell Biology		・Life Science and Technology
Professor	KINBARA, Kazushi	Bioinspired Synthetic Chemistry		・Life Science and Technology
Professor	KUME, Shoen	Stem Cell Biology, Regenerative Medicine	Master's Program Only	・Life Science and Technology ・Science and Technology for Health Care and Medicine
Professor	KOMADA, Masayuki	Biochemistry and Cell Biology, Growth Factor Signaling, Membrane Trafficking, Tumor Biology		・Life Science and Technology
Professor	SUZUKI, Takashi	Molecular Neurobiology		・Life Science and Technology
Professor	SEIO, Kohji	Bioorganic Chemistry		・Life Science and Technology ・Science and Technology for Health Care and Medicine
Professor	TAGUCHI, Hideki	Protein science, Biochemistry, Protein Folding, Chaperone, Ribosome, Amyloid/Prion		・Life Science and Technology
Professor	TANAKA, Kan	Evolutional Cell Biology, Cell Cycle, Signal Transduction, Stress Response, Microbiology, Metabolic Regulation, Symbiosis, Organelle, Chloroplast, Mitochondria, Transcriptional Regulation, Plant Physiology, Photosynthesis	Master's Program Only	・Life Science and Technology
Professor	TANAKA, Mikiko	Developmental Biology		・Life Science and Technology
Professor	NAKATOGAWA, Hitoshi	Molecular Cell Biology and Biochemistry		・Life Science and Technology

Professor	HAYASHI, Nobuhiro	Molecular Biology and Proteomics		・Life Science and Technology ・Science and Technology for Health Care and Medicine
Professor	HIROTA, Junji	Molecular Neuroscience		・Life Science and Technology
Professor	FUKUI, Toshiaki	Genetic Engineering, Metabolic Engineering, Extremophiles		・Life Science and Technology
Professor	HONGOH, Yuichi	Molecular Microbial Ecology, Symbiosis		・Life Science and Technology
Professor	MASUDA, Shinji	Plant Molecular Biology and Photobiology		・Life Science and Technology
Professor	MURAKAMI, Satoshi	Structural Biology, Protein Crystallography		・Life Science and Technology
Professor	YAMAGUCHI, Yuki	Control of Gene Expression, Epigenetics, RNA Processing, Drug Discovery		・Life Science and Technology
Professor	YUASA, Hideya	Bioorganic Chemistry	Master's Program Only	・Life Science and Technology ・Science and Technology for Health Care and Medicine
Associate Professor	AIZAWA, Yasunori	Cellular Genomics		・Life Science and Technology
Associate Professor	ASAKURA, Noriyuki	Bioinorganic Chemistry, Biological Electron Transfer		・Life Science and Technology
Associate Professor	URIU, Koichiro	Mathematical Biology, Mathematical Developmental Biology, Mathematical Chronobiology		・Life Science and Technology ・Science and Technology for Health Care and Medicine
Associate Professor	KATO, Akira	Epithelial Transport, Animal Physiology		・Life Science and Technology
Associate Professor	SHIMOJIMA, Mie	Plant Molecular Biology and Biochemistry		・Life Science and Technology
Associate Professor	SHIRAKI, Nobuaki	Stem Cell Biology		・Life Science and Technology ・Science and Technology for Health Care and Medicine
Associate Professor	TAGAWA, Yoh-ichi	Developmental Engineering, Molecular Biology, Artificial Organ, Immunology		・Life Science and Technology
Associate Professor	TSUTSUMI, Hiroshi	Chemical Biology		・Life Science and Technology
Associate Professor	NAKAMURA, Nobuhiro	Molecular and Cellular Biology, Vascular Biology, Receptor-mediated signal transduction, Ubiquitination, Intracellular Trafficking		・Life Science and Technology
Associate Professor	NIKAIDO, Masato	Molecular Evolutionary Biology		・Life Science and Technology

Associate Professor	NOZAWA, Kayo	Genome foldings, Transcriptional regulation, Subnucleosome, Biochemical analysis, Structural biology, Cryo-EM, The development of affinity grid for cryo-EM, In-vitro reconstitution of high-order genome architectures		・Life Science and Technology
Associate Professor	HATA, Takeshi	Organic Synthesis, Asymmetric Synthesis		・Life Science and Technology
Associate Professor	HIRASAWA, Takashi	Applied Microbiology and Metabolic Engineering		・Life Science and Technology
Associate Professor	FUKUSHIMA, Toshiaki	Cell Biology, Biochemistry, Ubiquitin, Proteostasis, Organelle Dynamics, Tumor, Senescence		・Life Science and Technology
Associate Professor	FUJITA, Naonobu	Cell and Developmental Biology		・Life Science and Technology
Associate Professor	MATSUDA, Tomoko	Bioorganic Chemistry, Biocatalysis, Green Chemistry		・Life Science and Technology
Associate Professor	MIE, Masayasu	Protein Engineering, Tissue Engineering, Biosensing		・Life Science and Technology ・Science and Technology for Health Care and Medicine
Associate Professor	YATSUNAMI, Rie	Extemophile, Extemozyme, Protein Engineering, Directed Evolution, Metabolic Engineering,		・Life Science and Technology
Associate Professor	YAMADA, Takuji	Genome Science and Bioinformatics		・Life Science and Technology
Associate Professor	YOSHIDA, Keisuke	Plant Biochemistry, Plant Physiology, Photosynthesis, Environmental Acclimation		・Life Science and Technology
Professor	KAJIWARA, Susumu	Microbial Infection, Immune Response, Biotechnology, Genome Editing		・Science and Technology for Health Care and Medicine ・Life Science and Technology
Professor	KURODA, Kumi	Neuroscience of social behavior, Parental care, Infant development and attachment, Neuropsychobiology	Applicants for the master's program who plan to go on to the doctoral program will be given priority	・Science and Technology for Health Care and Medicine
Professor	KOSHIKAWA, Naohiko	Tumor biology, Tumor diagnostics, Clinical proteomics		・Science and Technology for Health Care and Medicine ・Life Science and Technology
Professor	SATO, Kengo	Bioinformatics, Biomedical data science		・Science and Technology for Health Care and Medicine ・Life Science and Technology
Professor	SANEYOSHI,Takeo	Molecular Neuroscience, Quantum Biology		・Science and Technology for Health Care and Medicine ・Life Science and Technology
Professor	NAKAMURA, Hiroyuki	Organic Synthesis, Medicinal Chemistry, Chemical Biology		・Science and Technology for Health Care and Medicine ・Life Science and Technology
Professor	NISHIYAMA, Nobuhiro	Drug Delivery System, Biomaterials Science		・Science and Technology for Health Care and Medicine ・Life Science and Technology
Professor	FUJIE, Toshinori	Biomaterials, Polymer Science, Tissue Engineering, Bioelectronics		・Science and Technology for Health Care and Medicine ・Life Science and Technology

Professor	YASUI, Takao	Quantum life science, bioanalytical chemistry, nanospace chemistry, nanobiodevices, liquid biopsy		・Science and Technology for Health Care and Medicine ・Life Science and Technology
Professor	YAMAYOSHI,Asako	Chemical Biology, Nucleic Acid Drugs, Chemistry for Nucleic Acids, DDS		・Science and Technology for Health Care and Medicine ・Life Science and Technology
Associate Professor	OKADA, Satoshi	Molecular imaging, Chemical biology, Nanotechnology		・Science and Technology for Health Care and Medicine ・Life Science and Technology
Associate Professor	OGURA, Shun-ichiro	Molecular Biology, Alternative Therapy for Tumor, Biometabolic Engineering, Biomarker		・Science and Technology for Health Care and Medicine ・Life Science and Technology
Associate Professor	ORIHARA, Kanami	Immunology, Allergic diseases, Infectious diseases, Circadian rhythm, Preventive medicine		・Science and Technology for Health Care and Medicine ・Life Science and Technology
Associate Professor	KADONOSONO, Tetsuya	Drug Discovery Science, Medicinal Protein Engineering, Tumor Biology		・Science and Technology for Health Care and Medicine ・Life Science and Technology
Associate Professor	KITAGUCHI, Tetsuya	Bioimaging, Protein Engineering, Biosensors		・Science and Technology for Health Care and Medicine ・Life Science and Technology
Associate Professor	MASAKI, Yoshiaki	Bioorganic Chemistry, Nucleic Acid Chemistry, Nucleic Acid Therapeutics		・Science and Technology for Health Care and Medicine ・Life Science and Technology
Associate Professor	MIURA, Yutaka	Polymer synthesis,Drug Delivery System, Biomaterials Science		・Science and Technology for Health Care and Medicine ・Life Science and Technology
Associate Professor	MORI, Toshiaki	Bioorganic Chemistry, Polymer Chemistry		・Science and Technology for Health Care and Medicine ・Life Science and Technology
Professor	MATSUURA, Tomoaki	Directed evolution, synthetic biology, cell-free science, biotechnology		・Earth-Life Science ★ ・Life Science and Technology
Associate Professor	FUJISHIMA, Kosuke	Origins of life, Astrobiology, Synthetic biology, Directed evolution, RNA, peptide, Chemical evolution		・Earth-Life Science ★ ・Life Science and Technology
Associate Professor	McGLYNN, Shawn	Origins of life, Enzyme evolution, prebiotic chemistry, microbial ecology, stable isotope fractionation, geomicrobiology		・Earth-Life Science ★ ・Life Science and Technology
Professor	TAKINOUE, Masahiro	Artificial cell engineering, Molecular computing, DNA nanotechnology, Molecular Robotics, Biophysics, Synthetic biology		・Life Science and Technology
Professor	YANAGIDA, Yasuko	Bio-MEMS/NEMS, Biosensing, Biofunctional Engineering		・Science and Technology for Health Care and Medicine

★ The Earth-Life Science Graduate Major is an Integrated Doctoral Educational Program (master's and doctoral level).

School of Environment and Society

(15) Dept. of Architecture and Building Engineering

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	IKARASHI, Kikuo	Steel Structures		・Architecture and Building Engineering
Professor	OSARAGI, Toshihiro	Spatial Analysis and Planning, Disaster Mitigation Planning, Human Behavior Science		・Architecture and Building Engineering
Professor	KAGI, Naoki	Environmental Engineering, Building Servises, Indoor Air Quality, Air Cleaning, Wellness, Smart Building		・Architecture and Building Engineering
Professor	KONO, Susumu	Reinforced and prestressed concrete structures, EarthquakeEngineering		・Architecture and Building Engineering
Professor	SAIO, Naoko	Architectural Planning Urban and Rural Planning		・Architecture and Building Engineering
Professor	TAMURA, Shuji	Geotechnical Earthquake Engineering		・Architecture and Building Engineering
Professor	TSUKAMOTO, Yoshiharu	Architectural Design and Urban Research, Architectural Behaviorology		・Architecture and Building Engineering
Associate Professor	OKI, Takuya	Architectural planning, Big data analysis, Artificial Intelligence application		・Architecture and Building Engineering ・Super Smart Society ■
Associate Professor	SHIOZAKI, Taishin	Architectural Design		・Architecture and Building Engineering
Associate Professor	NAKANO, Takaharu	Building Structure, Earthquake Engineering, Geotechnical Engineering, Building Foundation, Structural Dynamics		・Architecture and Building Engineering
Professor	NISHIMURA, Koshiro	Concrete Structures Earthquake Engineering		・Architecture and Building Engineering
Associate Professor	NOUSAKU, Fuminori	Architectural Design, Architectural Ecology		・Architecture and Building Engineering
Associate Professor	FUKUDA, Shintaro	Building Materials		・Architecture and Building Engineering
Associate Professor	FUJITA, Yasuhito	History of Architecture and Cities		・Architecture and Building Engineering
Associate Professor	MURATA, Ryo	Environmental Respoinsive Architecture, Passive Solar Design, Architectural Design		・Architecture and Building Engineering ・Engineering Sciences and Design
Associate Professor	YAMAZAKI, Yoshihiro	Structural Engineering, Timber Structure, Seismic Engineering, Passive Control Structure		・Architecture and Building Engineering ・Urban Design and Built Environment
Associate Professor	YUASA, Kazuhiro	Environmental Engineering, Building Services	Retire in March 2027	・Engineering Sciences and Design
Associate Professor	MITSUI, Kazuya	Building Structures, Steel Structures, Thin-walled Members, Environmentally-friendly Structural Members		・Architecture and Building Engineering
Professor	ISHIHARA, Tadashi	Building Structure, Earthquake Engineering, Structural Dynamics, Design Load		・Urban Design and Built Environment
Professor	KISHIKI, Shoichi	Base-Isolation and Passive Control Structure, Seismic Retrofit for Existing Buildings, Post-Earthquake Damage Evaluation and Rehabilitation		・Urban Design and Built Environment
Professor	HIMOTO, Keisuke	Disaster Preparedness and Mitigation Planning, Risk-based Engineering, Fire Safety Engineering		・Urban Design and Built Environment

Professor	MATSUOKA, Masashi	Remote Sensing of Environment and Disaster, Geoinformatics and AI for Disaster Mitigation		・Urban Design and Built Environment
Professor	MANO, Yosuke	Urban Planning		・Urban Design and Built Environment
Associate Professor	ASAWA, Takashi	Urban and Built Environmental Engineering		・Urban Design and Built Environment ・Super Smart Society ■
Associate Professor	OKAZE, Tsubasa	Urban enviromental engineering Snow engineering Disaster resilience for architectural and urban environment		・Urban Design and Built Environment
Associate Professor	SAKAMURA, Kei	City Planning, Community Design, Authenticity, Local Resource Management		・Urban Design and Built Environment
Associate Professor	SATO, Daiki	Structural Engineering, Earthquake Engineering and Wind Enginnering		・Urban Design and Built Environment
Associate Professor	TSUNO, Seiji	Earthquake Engineering, Strong motion, Site effect, Subsurface survey, Earthquake Early Warning		・Urban Design and Built Environment
Associate Professor	HIRAGA, Amana	Historic Architectural Preservation, History of Architecture		・Urban Design and Built Environment
Associate Professor	TERAZAWA, Yuki	Shell and spatial structures, Tall buildings, Steel structures, Seismic optimization, Damping modification system, DS/AI		・Urban Design and Built Environment
Associate Professor	OMORI, Fumihiko	Urban Planning, Community Design, Waterfront, Transit Oriented Development	Updated on August 14, 2025	・Urban Design and Built Environment

■ The Super Smart Society Graduate Major is a Doctoral Program.

School of Environment and Society

(16) Dept. of Civil and Environmental Engineering

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	IWANAMI, Mitsuyasu	Infrastructure Management, Marine Structure Engineering		・Civil Engineering
Professor	KANAE, Shinjiro	Hydrology, Hydrologic Cycle, Water Resources		・Civil Engineering
Professor	SASAKI, Ei-ichi	Bridge Engineering & Structural Engineering		・Civil Engineering ・Engineering Sciences and Design
Professor	TAKAHASHI, Akihiro	Geotechnical Engineering		・Civil Engineering
Professor	TAKAYAMA, Yuki	Urban and Regional Economics, Regional Science		・Civil Engineering
Professor	CHIJIWA, Nobuhiro	Structural Concrete, Multi-Scale Dynamics of Concrete, Maintenance of Infrastructure		・Civil Engineering
Professor	YOSHIMURA, Chihiro	Water Environmental Engineering, Environmental Photochemistry, Applied Aquatic Ecology		・Civil Engineering
Associate Professor	UTSUMI, Nobuyuki	Hydrometeorology, Climate Change, Satellite Remote Sensing		・Civil Engineering
Associate Professor	SAWADA, Mai	Geotechnical Engineering, Unsaturated Soil Mechanics, Conservation of Historic Sites		・Civil Engineering
Associate Professor	SEO, Toru	Transportation Research, Traffic Flow Theory, Data Science		・Civil Engineering ・Urban Design and Built Environment
Associate Professor	FUJII, Manabu	Water and Environmental Engineering, Sustainable Development, Water Chemistry		・Civil Engineering
Associate Professor	MATSUZAKI, Hiroshi	Structural Design Method, Bridge & Maintenance Engineering, Earthquake-Resistant Structures		・Civil Engineering
Associate Professor	MARUYAMA, Taizo	Applied Mechanics, Computaional Mechanics, Nondestructive Evalutaion		・Civil Engineering
Professor	OGUCHI, Chiaki	Rock Weathering, Geoheritage, Water-Rock Interaction, Geomorphological/Geological Hazards		・Urban Design and Built Environment
Professor	SANADA, Junko	Rural Landscape and Rural Development, Value and Technology Transfer of Dry Stone Walling		・Urban Design and Built Environment
Professor	MUROMACHI, Yasunori	Transport and the Environment, Travel Behavior		・Urban Design and Built Environment ・Civil Engineering
Professor	MORIKAWA, Hitoshi	Earthquake Engineering		・Urban Design and Built Environment
Associate Professor	KOTANI, Hitomu	Infrastructure Planning and Management, Disaster Social Science, Sustainability Science		・Urban Design and Built Environment
Associate Professor	MIYAMOTO, Takashi	Scientific Machine Learning, Earthquake Engineering, Earth Science		・Urban Design and Built Environment
Professor	DOHI, Masato	Community Planning and Design	Retire in March, 2027.	・Urban Design and Built Environment
Professor	MATSUOKA, Masashi	Remote Sensing and Geoinformatics for Disaster Management		・Urban Design and Built Environment
Professor	MANO, Yosuke	Urban Planning		・Urban Design and Built Environment

Associate Professor	SAKAMURA, Kei	City Planning, Community Design, Authenticity, Local Resource Management		・Urban Design and Built Environment
Associate Professor	TSUNO, Seiji	Earthquake Engineering, Earthquake Early Warning		・Urban Design and Built Environment
Professor	KANDA, Manabu	Regional Atmospheric Environment		・Civil Engineering
Professor	KINOUCHI, Tsuyoshi	Watershed Hydrology, Environmental Hydrology		・Civil Engineering
Professor	HANAOKA, Shinya	Transport Development Studies, Logistics, Air Transport		・Civil Engineering
Associate Professor	NAKAMURA, Takashi A（中村 恭志）	Computational Environmental Fluid Dynamics, Computational Scheme, Multi Physics Simulation		・Civil Engineering
Associate Professor	NAKAMURA, Takashi B（中村 隆志）	Coastal Ecosystem Modeling Biogeochemistry		・Civil Engineering
Associate Professor	VARQUEZ, Alvin Chrostppher Galang	Global Urban Climatology, Urban-scale Climate Change, Numerical Weather Prediction, GIS-based Dataset Construction		・Civil Engineering

School of Environment and Society

(17) Dept. of Transdisciplinary Science and Engineering

Academic Supervisor		Research Field	Remark	Graduate Major
Professor	ABE, Naoya	Environmental and Social Sustainability, Water-Food-Energy insecurity, Applied Economics, International Development		・Global Engineering for Development, Environment and Society
Professor	KASAI, Yasuko	Space industry creation by lunar and planetary resource exploration with remote sensing, Creating new value through global environment remote sensing from space and AI data analysis		・Global Engineering for Development, Environment and Society
Professor	KANDA, Manabu	Regional Atmospheric Environment		・Global Engineering for Development, Environment and Society
Professor	KINOUCHI, Tsuyoshi	Watershed Hydrology, Water Resources Engineering		・Global Engineering for Development, Environment and Society
Professor	TAKAGI, Hiroshi	Coastal Disaster Mitigation		・Global Engineering for Development, Environment and Society
Professor	TAKADA, Jun-ichi	Wireless Communications, Applied Radio Measurement and Sensing, ICT and Development		・Global Engineering for Development, Environment and Society
Professor	TAKAHASHI, Kunio	Mechanical Engineering, Mechanics, Material Science, Material Processing		・Global Engineering for Development, Environment and Society ・Engineering Sciences and Design ・Energy Science and Informatics
Professor	TAKAHASHI, Fumitake	Waste management, Waste recycle, Environmental risk assessment, Human behavior and psychological analysis on waste management		・Global Engineering for Development, Environment and Society
Professor	NOHARA, Kayoko	Translation Studies, Linguistics, Science Communication, Science and Art		・Global Engineering for Development, Environment and Society ・Engineering Sciences and Design
Professor	HANAOKA, Shinya	Transport Development Studies, Logistics, Air Transport		・Global Engineering for Development, Environment and Society
Associate Professor	AKITA, Daisuke	Aerospace System, High-Speed Aerodynamics		・Global Engineering for Development, Environment and Society ・Engineering Sciences and Design ・Energy Science and Informatics
Associate Professor	EGASHIRA, Ryuichi	Chemical Engineering, Separation Engineering, Process Engineering, Solvent Extraction, Adsorption/Water Treatment, Biomass Treatment, Metal Extraction, Petroleum Refining		・Global Engineering for Development, Environment and Society
Associate Professor	ZHU, Xinru	Library and Information Science, Semiotics, Communication, Typeface Research, Learning Support Systems		・Global Engineering for Development, Environment and Society
Associate Professor	TAKASU, Hiroki	Energy storage and conversion, Carbon neutral, Electrochemical CO2 reduction, Hydrogen membrane, Ammonia storage, Functional materials for energy, Nuclear energy utilization		・Global Engineering for Development, Environment and Society ・Nuclear Engineering
Associate Professor	NAKAMURA, Takashi A（中村 恭志）	Computational Fluid Dynamics, Assessment of Water Environments, Injury Risk Assessment in Water Disasters, Drowning Risk Assessment		・Global Engineering for Development, Environment and Society
Associate Professor	NAKAMURA, Takashi B（中村 隆志）	Coastal Ecosystem Modeling, Biogeochemistry		・Global Engineering for Development, Environment and Society

Associate Professor	NISHIKIZAWA, Shigeo	Environmental Policy & Planning, Environmental Impact Assessment, Acceptance of Renewable Energy, Public Participation, Consensus Building		・Global Engineering for Development, Environment and Society
Associate Professor	NISHIDA, Kozue	Stable Isotope Geochemistry, Marine Ecology, Paleontology, Biomineralization		・Global Engineering for Development, Environment and Society
Associate Professor	VARQUEZ, Alvin Christopher Galang	Global Urban Climatology, Urban-scale Climate Change, Numerical Weather Prediction, GIS-based Dataset Construction		・Global Engineering for Development, Environment and Society
Professor	KANAE, Shinjiro	Hydrology, Hydrologic cycle, Water resources		・Global Engineering for Development, Environment and Society
Professor	MURAKAMI Yoichi	Creation of novel environmental and energy technologies, Innovative CO2 capturing materials and all-solid-state battery materials, Thermal energy reuse, Liquid thermoelectric power generation		・Global Engineering for Development, Environment and Society
Professor	YOSHIMURA, Chihiro	Water Quality Engineering, Aquatic Ecology, Biogeochemistry		・Global Engineering for Development, Environment and Society
Associate Professor	AOYAGI, Takahiro	Electromagnetic Compatibility (EMC), Wave Propagation, Telecommunication, Microwave Measurement, Educational Technology		・Global Engineering for Development, Environment and Society
Professor	SAGARA, Hiroshi	Nuclear Safety, Security and Non-proliferation (3S), Reactor Design for High-level-waste Transmutation Non-destructive Assay Technology		・Nuclear Engineering
Professor	HAYASHIZAKI, Noriyosu	Accelerator Physics and Engineering, Medical Accelerator, Accelerator Driven Neutron Source, Security of Radioactive Sources		・Nuclear Engineering ・Engineering Sciences and Design
Professor	MATSUMOTO, Yoshihisa	Radiation Biology, Molecular Biology and Biochemistry, Basic Medicine		・Nuclear Engineering
Associate Professor	ISHIZUKA, Chikako	Nuclear Reaction Theory, Nuclear Data, Nuclear Fission, Nuclear Transmutation, Uncertainty Assessment		・Nuclear Engineering
Associate Professor	UENOMACHI, Mizuki	Radiation Measurement, Quantum Measurement, Radiation Imaging, Medical System, Medical Physics		・Nuclear Engineering
Associate Professor	KATABUCHI, Tatsuya	Neutron Science, Nuclear Physics, Nuclear Transmutation, Neutron Capture Therapy, Radiation Measurement		・Nuclear Engineering
Associate Professor	NAKASE, Masahiko	Nuclear Chemical Engineering, Nuclear Fuel Cycle, Innovative nuclear reactors, Separation Science, Nuclear Waste Management		・Nuclear Engineering ・Materials and Information Sciences ■
Professor	TSUKAHARA, Takehiko	Materials for Green and Energy transfromation,Lab-on-a-Chip, Environmental science, Analytical chemistry, Radiochemistry, Nuclear Fuel Cycle, Radioactive Waste Management		・Nuclear Engineering
Associate Professor	AKATSUKA, Hiroshi	Low-Temperature Plasma Chemistry and Plasma Physics		・Nuclear Engineering
Associate Professor	KIKURA, Hiroshige	Nuclear Reactor Safety, Process Control and Measurement System, Thermal Hydraulics, Safe Transport of Radioactive Material		・Nuclear Engineering

Associate Professor	KONDO, Masatoshi	Fusion reactor, Fast reactor, Material compatibility, Liquid metal technology		・Nuclear Engineering
Associate Professor	HASEGAWA, Jun	Plasma Science and Technology, Ion Beam Application Studies, Inertial Fusion Studies, High Energy Density Science, Radiation Physics		・Nuclear Engineering
Associate Professor	HARADA, Takuya	Inorganic Materials, Chemical Process Engineering, CO2 Capture & Utilization, Carbon Neutral Cycle		・Nuclear Engineering
Professor	INABA, Kazuaki	Engineering Design, Mechanical Engineering, Solid and Structure Engineering		・Engineering Sciences and Design
Professor	SAITO, Shigeki	Engineering Design, Smart Materials, Micromechanics, Micro Robotics		・Engineering Sciences and Design
Associate Professor	OHASHI, Takumi	Transition design, Human-centered design, Co-design, Cognitive psychology		・Engineering Sciences and Design
Professor	NAKAMARU,Mayuko	Social simulation, Human behavior and evolution, Mathematical biology, Evolutionary game theory, coupled social-ecological systems model		・Engineering Sciences and Design
Professor	OTOMO, Junichiro	Energy Conversion Chemistry, Electrosynthesis, Fuel Cell, Hydrogen Energy Storage, Energy System Assessment, Integrated Energy Engineering		・Energy Science and Informatics
Professor	CROSS, Jeffrey Scott	Applied/Explainable AI (XAI), Bio-fuels, Catalysts, Ecotoxicology and System Science, Edtech, Renewable Energy Systems & Policy		・Energy Science and Informatics ・Global Engineering for Development, Environment and Society
Associate Professor	ISHIKAWA, Atsushi	Physical Chemistry, Theoretical Chemistry, Computational Chemistry, Chemical Kinetics, Energy Conversion Chemistry, Catalysis, Machine Learning		・Energy Science and Informatics ・Materials and Information Sciences ■
Associate Professor	WAKEYAMA, Tatsuya	Energy policy, Power market model, GIS, Grid and market integration of renewable energy, Social acceptance of geothermal energy		・Energy Science and Informatics

■ The Materials and Information Sciences Graduate Major is a Doctoral Program.

School of Environment and Society

(18) Dept. of Social and Human Sciences

Academic Supevsior		Research Field	Remarks	Graduate major
Professor	ITO, Asa	Aesthetics	Doctoral program only	・Social and Human Sciences
Professor	INOHARA, Takehiro	Decision making, Consensus building, Conflict resolution, Social modeling	Doctoral program only	・Social and Human Sciences ・Super Smart Society ■
Professor	KIYAMA, Lorinda	Counseling Psychology, Comparative Literature	Doctoral program only	・Social and Human Sciences
Professor	KOMADA, Yoko	Sleep science, Chronobiology	Doctoral program only	・Social and Human Sciences
Professor	SAKUMA, Kunihiro	Exercise physiology, Exercise biochemistry	Doctoral program only	・Social and Human Sciences
Professor	SATO, Reiko	Japanese language education, Second language acquisition	Doctoral program only	・Social and Human Sciences
Professor	SHIRABE, Masashi	Scientometrics, STS	Doctoral program only	・Social and Human Sciences
Professor	TAKAO, Takashi	Impro (improvisational theatre) , Wind music education, Communication, Workshop facilitation	Doctoral program only	・Social and Human Sciences
Professor	NAGAMINE, Mitsue	Psychophysiology, Stress Science	Doctoral program only	・Social and Human Sciences
Professor	MAJIMA, Shunzo	Applied ethics, Ethics of science and technology, Research ethics	Doctoral program only	・Social and Human Sciences
Professor	MIZUNO, Tomomi	Barrier-free, Understanding Special Needs	Doctoral program only	・Social and Human Sciences
Professor	MITSUBORI, Koichiro	French Literature, Comparative Literature	Doctoral program only	・Social and Human Sciences
Professor	MUROTA, Masao	Educational Technology	Doctoral program only	・Social and Human Sciences
Professor	YAMAZAKI, Taro	German Literature/German Opera	Doctoral program only	・Social and Human Sciences
Professor	YAMAMOTO, Takamitsu	Intellectual History, Ludology	Doctoral program only	・Social and Human Sciences
Professor	YAMAMOTO, Hilofumi	Linguistics, Mathematical Lingustics, Language changes, Instruction Management System	Doctoral program only	・Social and Human Sciences
Associate Professor	AKABA, Sanae	Diversity, Equity, and Inclusion (DEI) education, Social Emotional Learning (SEL), education policy, systemic racism	Doctoral program only	・Social and Human Sciences ・Super Smart Society ■
Associate Professor	OGAWA, Madoka	Exercise physiology, Health and exercise science	Doctoral program only	・Social and Human Sciences
Associate Professor	KANEKO, Hironao	Civil and Business Law	Doctoral program only	・Social and Human Sciences
Associate Professor	KITAMURA, Kyohhei	Film Studies, Media Studies	Doctoral program only	・Social and Human Sciences
Associate Professor	KIMURA, Yuuri	Science Education, Science communication	Doctoral program only	・Social and Human Sciences
Associate Professor	KOIZUMI, Yuto	Shakespeare (film adaptation), English language education, Writing center	Doctoral program only	・Social and Human Sciences
Associate Professor	KOTANI, Yasunori	Brain science, Psychophysiology	Doctoral program only	・Social and Human Sciences
Associate Professor	SASAKI, Aiko	Japanese language education, Second Language Acquisition, Corpus linguistics	Doctoral program only	・Social and Human Sciences

Associate Professor	SAWAI, Isami	Modern Japanese History, International History of East Asia	Doctoral program only	・Social and Human Sciences
Associate Professor	JIBU, Renge	Gender, Business administration, Policy	Doctoral program only	・Social and Human Sciences
Associate Professor	SUZUKI, Yuta	Research on Teaching, School Reform, Teacher Education, Teachers' Collegiality, Teachers' Professional Community, Lesson Study, Action Research	Doctoral program only	・Social and Human Sciences
Associate Professor	TAKAHASHI, Masaki	Nutrition Physiology, Chrono-nutrition, Precision Nutrition	Doctoral program only	・Social and Human Sciences
Associate Professor	TRONU MONTANE CARLA	History of Religion, Intercultural Communication	Doctoral program only	・Social and Human Sciences
Associate Professor	MARUYAMA, Takeo	Biomechanics, Sports Engineering, Bioinformatics	Doctoral program only	・Social and Human Sciences
Associate Professor	YAMANE, Ryoichi	American Literature, American Cultural Studies	Doctoral program only	・Social and Human Sciences
Associate Professor	LOFTUS, James Frances	Archaeology, 2D/3D Geometric Morphometrics, Computational & Digital Archaeology, Biological Anthropology, Cultural Evolution	Doctoral program only	・Social and Human Sciences
Associate Professor	WAKAMATSU, Fumie	Japanese language education, Discourse analysis	Doctoral program only	・Social and Human Sciences
Associate Professor	WATANABE, Akira	Latin American Studies, Political Science (Politics in Mexico), Migration Studies (Migration from Latin America to the US), Spanish Language Education.	Doctoral program only	・Social and Human Sciences
Associate Professor (Lecturer)	EBARA, Mika	Linguistics, Japanese language education, Japanese grammar	Doctoral program only	・Social and Human Sciences
Associate Professor (Lecturer)	KAWANISHI, Toma	History of Technology	Doctoral program only	・Social and Human Sciences
Associate Professor (Lecturer)	KOMATSU, Midori	Intercultural Education, Intercultural Psychology, Japanese Language Education	Doctoral program only	・Social and Human Sciences
Associate Professor (Lecturer)	TAKUWA, Yoshimi	History of Science	Doctoral program only	・Social and Human Sciences
Associate Professor (Lecturer)	SUZUKI, Takeo	Western Modern History, German History, Educational Technology	Doctoral program only	・Social and Human Sciences
Associate Professor (Lecturer)	NAGAHARA, Kentaro	Mathematical education, Educational technology, Nonlinear Analysis, Simulation & gaming	Doctoral program only	・Social and Human Sciences

■ The Super Smart Society Graduate Major is a Doctoral Program.