Application Guide for International Graduate Program (C) Commencing in September 2022

Tokyo Institute of Technology

(January 2022)

Contents

Application schedule

Enrollment Date: ~~**October 1, 2022**~~ **September 28, 2022**
Number of Students Admitted: Several students for each department
Degree Program Offered: **Master's Program, Doctoral Program** and **Integrated Doctoral Education Program**

Application period	January 19, 2022 – April 17, 2022
Deadline of the consent mail/letter submission	April 12, 2022 at 23:59 (JST)
Deadline of application	April 17, 2022 at 23:59 (JST)
Result notification	June 3, 2022 at 15:00 (JST)

1. General Prospectus

Tokyo Institute of Technology ("Tokyo Tech") launched its International Graduate Program in October 2007 as an opportunity for qualified international students, who may have little or no Japanese language ability, to enroll in Tokyo Tech's Master's or Doctoral Programs and pursue an advanced degree in Japan. There are two periods of enrollment to this program: the Spring Program (admission in April) and the Fall Program (admission in September).

With a diverse group of 18 academic 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. Program

This recruitment prospectus relates to Master's and Doctoral Programs scheduled to begin on **October 1, 2022.**

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.

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 and for a doctoral degree must take 24 credits or more within an additional three years of study follows a master’s program. The Integrated Doctoral Education Program requires students to enroll in the Tokyo Tech Master’s Program, regardless of whether or not they have already earned a master’s degree. A maximum of 10 previously earned credits from a graduate school may be transferred to Tokyo Tech 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 3
	Earth and Planetary Sciences	●	●	●	Page 4
School of Engineering	Mechanical Engineering	●	●		Page 5
	Systems and Control Engineering	●	●		Page 8
	Electrical and Electronic Engineering	●	●		Page 9
	Information and Communications Engineering	●	●		Page 12
	Industrial Engineering and Economics	●	●		Page 13
School of Materials and Chemical Technology	Materials Science and Engineering	●	●		Page 14
	Chemical Science and Engineering	●	●	●	Page 17
School of Computing	Mathematical and Computing Science	●	●		Page 19
	Computer Science	●	●		Page 20
School of Life Science and Technology	Life Science and Technology	●	●	●	Page 22
School of Environment and Society	Architecture and Building Engineering	●	●		Page 26
	Civil and Environmental Engineering	●	●		Page 27
	Transdisciplinary Science and Engineering	●	●		Page 28
	Social and Human Sciences		●		Page 31

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 Tokyo Tech 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 Tokyo Tech 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 Tokyo Tech 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

(3) Persons who do not meet eligibility conditions (1) or (2) but are individually assessed and recognized by the relevant School at Tokyo Tech 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 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 the application of Individual Assessment of Admission Eligibility will be informed of the result in **Middle of May 2022**.

■Applicants with Japanese nationality

Japanese citizens not residing in Japan, who satisfy the above conditions and have a visa* that enables him/her to stay for a long period in the country where he/she lives, 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.)

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 Procedures

Prior to application, applicants are required to contact their intended academic supervisor at Tokyo Tech directly via email and provide a self-introductory statement and a letter of intent for their period of study at Tokyo Tech, and obtain the consent of the desired faculty member to serve in this capacity. Applications will not be considered without the consent of a Tokyo Tech 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 Tokyo Tech faculty member, and send a copy of it to the Admissions Division by **April 12, at 23:59 (JST)**. After verifying the document, the Admissions Division will provide applicants with a URL of the online application system and a password necessary to access the system.

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

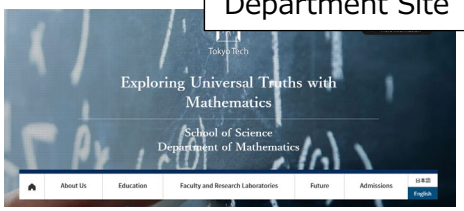
Please refer the chart below for the procedure to find your academic supervisor and contact information. Some academic supervisors may require the submission of additional documents before the stated deadline.

STEP 1

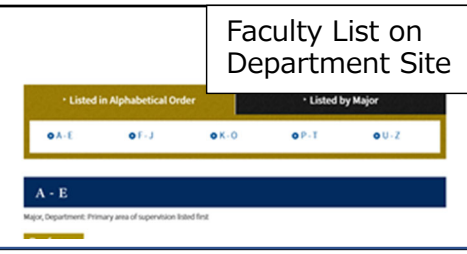
Access your intended department website and confirm the potential academic supervisor's major and research fields.

Department List

Department Site

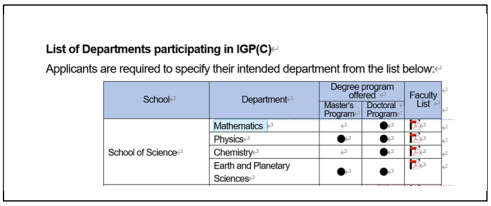


Faculty List on Department Site



STEP 2

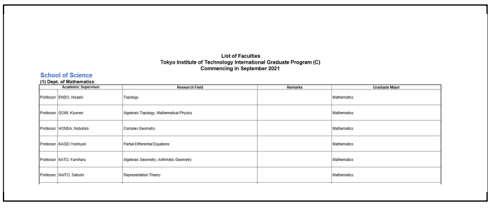
Check the IGP page to confirm that the researcher is on the faculty list for your intended IGP.



List of Departments participating in IGP(C)

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

School	Department	Degree program offered		Faculty List
		Master's Program	Doctoral Program	
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 Tokyo Tech's research database "Star Search" to find faculty member's contact and other information.

How to Apply

Before Application

1

Gather information on Tokyo Tech 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*, or are unsure about your eligibility, please contact the Admissions Division at ryugakusei@jim.titech.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, 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 ryugakusei@jim.titech.ac.jp so that it arrives no later than the deadline stated below. In two or three business days (except weekends and holidays), you will then receive a **URL** and **password** required to access the online application system.

Submission deadline: **April 12, 2022 at 23:59 (JST)**

5

Prepare application documents

1. ID photo
2. Consent email/letter from Tokyo Tech Faculty Member
3. Field of Study and Study Program (★)
4. Summary of thesis (free format)
5. English Proficiency Score Report
6. A copy of your passport or residence card
7. Verification of application fee payment

Application for individual assessment of admission eligibility (★)
Application for 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 password notified by the Admissions Division.

Online Application System

Fill out the online form and complete the submission of application documents no later than **April 17, 2022 at 23:59 (JST)**

7

Complete the submission of supporting documents

Supporting documents must be directly submitted from your referee and your previous or current university. After step 6 above, you will receive an email with a **URL and password** for the online submission system. Forward it to your referee and officials of your previous/current university to allow their access to the system.

Supporting documentation from previous or current university

8. Academic transcripts
9. Certificate of graduation and degree

Supporting documentation from referee

10. Evaluation sheet with recommendation letter (designated format)

Online Submission System

Supporting documents must be submitted no later than **April 17, 2022 at 23:59 (JST)**.

8

Application process is completed

The Admissions Division reviews applications and supporting 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 (JPEG) *4.0×3.0 cm, taken within the past six months. The file must be less than 2MB, 350 (height) X 290 (width) pixels, JPEG format 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. Please note that the photo is used for your student ID card to be issued upon your enrollment.
2	**Consent of a Tokyo Tech Faculty Member** Electric or scanned data of consent mail or letter to verify that a Tokyo Tech faculty member has consented to act as academic supervisor during the intended period of study at Tokyo Tech. (This document must be emailed to the Admissions Division prior to accessing the online application system no later than ~~**October 17, 2021,**~~ **April 12, 2022 at 23:59 (JST)**. Applicant will then receive a URL and Password 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	**English Proficiency Test Score Report or Approval email for exemption from English proficiency test score report submission (*[1])** Electric or scanned data of English proficiency test score report of the following tests taken on or after **April 18, 2020**. **MEXT scholarship applicants** are required to submit electric or scanned data of English proficiency test score report of one of the following tests taken on or after **January 1, 2021**. Applicants **do not need** to request ETS or the British Council to send their English proficiency score reports to Tokyo Tech. **TOEFL iBT (including TOEFL iBT (Special) Home Edition)** **TOEFL ITP Plus for China Solution (taken in Mainland of China)** **TOEFL Paper delivered Test** **TOEIC L&R** **IELTS Academic Module (including computer-delivered test)** The Institutional Program of TOEFL (TOEFL-ITP) and TOEIC (TOEIC-IP), TOEIC S&W, or other proficiency tests not specifically listed above **will not be accepted**. **(*[1]) Exemption from Submitting English Proficiency Test Scores** Applicants who meet any of the following conditions may be exempted from submitting English proficiency test scores. (i) Native English speakers (ii) Individuals who have been awarded an undergraduate and/or graduate degree* from an institution where all instruction was in English (iii) Individuals who have been granted this exemption by a department chair at Tokyo Tech. (This is not applicable to MEXT-SGU scholarship applicants.) Applicants who wish to obtain exemption must first consult their prospective academic supervisor. If exemption is granted, applicants must submit electric or scanned data of the email notifying them that exemption was approved. *Undergraduate and graduate degrees should be equivalent to the Japanese educational definitions of undergraduate, master's, and doctoral degrees.
6	**Applicant's Passport or Residence card** Electric or scanned data of the page(s) with the applicant's name, nationality, date of birth, and photo *Japanese applicant must also submit the page(s) of his/her passport that shows visas obtained in the country where he/she lives.

7	**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. 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. 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 Tokyo Tech Payment Period: **January 19, 2022 – April 17, 2022**

■ Supporting Documentation from applicants’ previous or current university

The following documents must be directly submitted to Tokyo Tech from **the university concerned in order to verify authenticity**. Please be sure to request officials of said universities to submit the documentation using the Tokyo Tech online submission system by the deadline.

No.	Required Documents
8	**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
9	**Certificate(s) Confirming Graduation and Degree or Expected Graduation and Degree issued from applicants' previous or current university** If the applicant graduated or is graduating early or has skipped a grade or year, or an official document or letter issued by the university indicating as such must be submitted.

Note:
Documents 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.

If applicant's university does not submit these academic documents via online, please consult the Admissions Division prior to application.

Document 9:
If applicant's university dose not issue a certificate of expected graduation and degree, official letter, issued by applicant's current university, indicating applicant's name, date of birth, expected date of graduation, expected degree may be accepted as substitute.

■ Supporting Documentation from referee

The evaluation sheet with recommendation letter must be directly submitted to Tokyo Tech from **the referee of the applicant**. Please be sure to request your referee to submit the completed form using the Tokyo Tech online submission system by the deadline.

10	**<u>Evaluation Sheet with Recommendation (in a single document)</u>** (★) Must be issued by a supervisor or head of department or similar official at applicant's previous or current university to verify potential of the applicant

★ Designated formats can be downloaded from each IGP program page

■ Application Documents 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.

Applicant who is required to go through Individual Assessment of Admission Eligibility**,** must submit **Application for Individual Assessment of Admission Eligibility** (★) with the following supplementary documents

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)

★ Designated formats can be downloaded from each IGP program page

■ Application Documents for Scholarships

<u>Scholarship Application Documents</u>

Applicants who wish to apply for the scholarship listed in Section 7, "Scholarship" are required to prepare the necessary documents（★）and submit those via 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

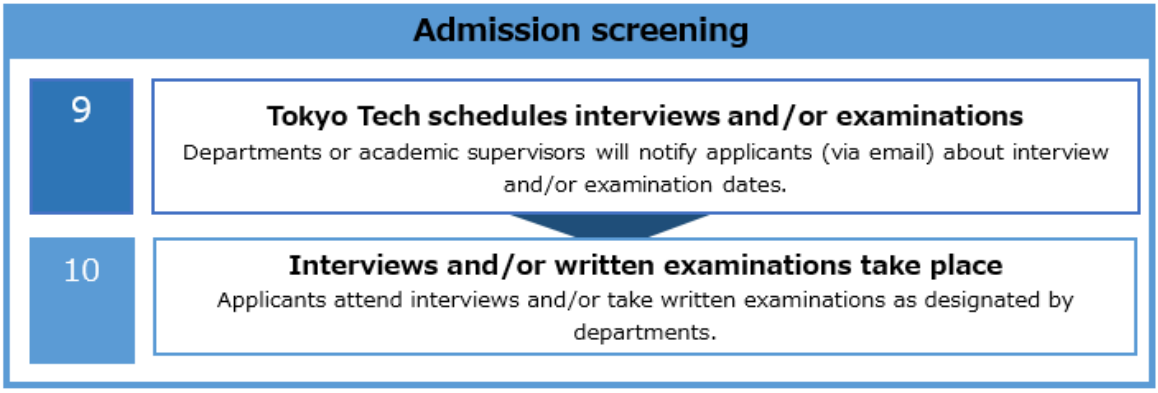
The entire online application process must be completed no later than **April 17, 2022 at 23:59 (JST)**. Applicants must fill out the online form and submit the application documents, then must have supporting documents submitted via the Tokyo Tech online submission system by their referee and officials of their previous or current university 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.

5. Admission process



■Interview or/and Examination

The examination period and subjects differ among departments. After completion of application, applicants will be notified about the schedule of interview or/and examination 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 admission@mech.e.titech.ac.jp
Systems and Control Engineering	https://educ.titech.ac.jp/sc/eng/admissions/ admissions@sc.e.titech.ac.jp
Electrical and Electronic Engineering	inquiry@ee.e.titech.ac.jp
Information and Communications Engineering	ict_inquiry@ict.e.titech.ac.jp
Industrial Engineering and Economics	igp@ml.me.titech.ac.jp

Department	Inquiries
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-nyushi@c.titech.ac.jp
Computer Science	cs-nyushi@c.titech.ac.jp
Life Science and Technology	bio.igp@bio.titech.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

■Admission Decision

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

The Announcement of Successful Applicants (in PDF format) will be posted on the website (“Admission Updates”) around **15:00 on Friday, June 3, 2022.** A copy of Notification of result would be sent upon request by email. Inquiries via email, telephone, etc. regarding the result of examination 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. Scholarship

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

I. MEXT Scholarship (University Recommendation (SGU))

(Current Tokyo Tech Undergraduate Students Only)

Current Tokyo Tech undergraduate students with outstanding academic performance records have the chance to apply for the Japanese Government (MEXT) Scholarship (University Recommendation (SGU)). Those who apply for the scholarship must meet all of the following conditions:

1. Have the nationality of one of the countries designated by MEXT (see application guidelines from the link below)
2. Be applying for one of the **master's programs** in IGP (C) commencing in September 2022 and be studying in one of the bachelor's programs at Tokyo Tech as of April 2022
3. Have the resident status of "Student" and retain it until the end of the scholarship period
4. Have demonstrated excellent academic achievement with Tokyo Tech's Cumulative GPA of **3.50 (out of 4.50) or above**

Note: Undergraduate students who are studying on **other types of MEXT Scholarship are not eligible** for this scheme, except for those who are in the Tokyo Tech GSEP on the MEXT Scholarship (University Recommendation (Priority)). Specifically, students who were not selected

for extension of their current MEXT Scholarship; those who had the opportunity to apply for extension of their current MEXT Scholarship but failed to do so, and those who will have an opportunity to apply for extension of their current MEXT Scholarship in the future are ineligible to apply for this MEXT Scholarship (University Recommendation (SGU)).

The scholarship provides a monthly stipend of JPY 147,000 for master's students. This stipend is subject to change as specified by the regulations of the MEXT Scholarship program. Traveling expenses are not provided by MEXT. This scholarship will be disbursed from October 2022 to March 2023 (6 months). In addition, those who receive the MEXT Scholarship (University Recommendation (SGU)) will not be required to pay admission or tuition fees. The number of awards is very limited.

Students who intend to apply for the MEXT scholarship (University Recommendation (SGU)) must complete a separate application for the scholarship. This scholarship is granted on an annual basis, and reapplication is necessary to receive continued funding. Also, applicants should be informed that **provision of the scholarship benefits will be stopped in March 2024** because MEXT's SGU project will be terminated in that month. From April 2024 onwards, students will not receive the scholarship benefits and have to pay tuition fee as specified in Section 6, "Enrollment Fee and Tuition" in this application guide.

How to apply

Applicants for this scholarship must submit required documents via online application system together with application documents for IGP(C). Formats for application documents are available from the following website and program page. (Successful applicants will be asked to submit the original application form with applicant's hand written signature immediately after the announcement of the selection results.)

https://www.titech.ac.jp/english/graduate_school/international/scholarships/mext_scholarship.html#SGU_MEXT

II. JASSO （Overseas Applicants Only）

Overseas applicants who enroll at Tokyo Tech 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 October 2022 to September 2023 (12 months). Applicants must pay the enrollment and tuition fees even if you 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.

Upon your application for IGP(C), no application documents are required for the JASSO Scholarship.
Students who intend to apply for the JASSO scholarship must check if they fulfil all the following six criteria and select “JASSO” as your intended scholarship in the intended scholarship section of the online application system. For those who selected “JASSO”, the Student Support Division will contact you for further instruction via email during August 2022. The selection will be conducted during August and September and the result will be announced via email by the end of September.

Qualification criteria for the JASSO Scholarship

1. Applicant must not be receiving a scholarship that cannot be combined with other scholarships.
2. Applicant must have the status of residence “College Student” when you come to Japan.
3. The allowance sent from applicant’s private funding source may not exceed, on average, 90,000 yen per month.
4. The annual income of applicant’s supporter residing in Japan (if you have one) may not exceed 5,000,000 yen.
5. Applicant’s Japanese or English ability must be over the following level.
    - Japanese JLPT (Japanese Language Proficiency Test) Level 1 or 2, EJU Over 200 in Japanese subjects
    - English Over B2 level in CEFR
      (For example, TOEFL iBT over72, IELTS over 5.5, TOEIC L&R over 785)
6. Applicant must be living overseas (not in Japan) when you apply for the International Graduate Program.

III. Asian Development Bank-Japan Scholarship Program (ADB-JSP)

ADB provides scholarships for Master's Program students for one year with an

extension to the second year of study, as appropriate, which shall be conditional on the scholar maintaining a satisfactory level of performance as determined by Tokyo Tech. The maximum duration of scholarship award is two years. It is strongly recommended to check the eligibility conditions of this scholarship such as having at least two (2) years of full-time professional working experience (acquired after a university degree) at the time of application.

The scholarship provides a monthly allowance of JPY 147,000 per month, a book allowance of JPY 100,000 per year, a thesis allowance of JPY 50,000 per year, travel expenses, medical insurance and others. ADB-JSP scholarship recipients are not required to pay admission and tuition fees. Scholarship items and amounts are subject to change without notice.

Applicants for this scholarship must submit required documents via online application system together with application documents for IGP(C). Formats for application documents are available from the following website and program page. (Successful applicants will be asked to submit the original income certificates immediately after the announcement of the selection results.)

・Please check the eligibility and conditions carefully at " FAQs":
http://www.adb.org/site/careers/japan-scholarship-program/frequently-asked-questions
・Application forms for the scholarship:
https://www.adb.org/site/careers/japan-scholarship-program/procedures-applying
・Application procedures for ADB-JSP at Tokyo Tech:
https://www.titech.ac.jp/english/international-student-exchange/prospective-students/international/scholarships/before-enrollment
・ADB-JSP at a glance:
https://www.titech.ac.jp/english/international-student-exchange/pdf/adb-jsp-at-a-glance.pdf

8. Others

Prevention of Infectious Diseases

To manage the risk of infectious diseases at the Institute, 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.

The Institute 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 dismissed or withdrawn from the Institute if they have already completed the enrollment procedure. In addition, enrollment and tuition fees will not be refunded under any circumstances. As such, it is highly advisable that successful applicants who fail to obtain a COE before the enrollment procedure takes place apply for a postponement of payment of those fees.

9. Inquiries

Answers to frequent asked questions about IGP admissions are included on the FAQ page below.
https://www.titech.ac.jp/english/graduate_school/international/international_graduate/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	ryugakusei@jim.titech.ac.jp [Question about application] IGP(C)2022.09_Full Name
Online application (for applicants)	Igp.submission@jim.titech.ac.jp [Question about submission] IGP(C)2022_09_Full Name
Online submission (for referee and university officials)	Igp.supportdoc-submission@jim.titech.ac.jp [Question about support doc-submission] IGP(C)2022_09_Full Name

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

Mailing Address

If you *must* mail materials to Tokyo Tech, please use this address:

Admissions Division, Student Services Department,

Tokyo Institute of Technology

West Bldg. 8E 212, 2-12-1 Ookayama, Meguro-ku, Tokyo 152-8550 JAPAN

Tel: +81-3-5734-3990

Appendix

List of Faculty for International Graduate Program (C) Commencing in September 2022

List of Faculty
Tokyo Institute of Technology International Graduate Program (C)
Commencing in September 2022

School of Science

(1) Dept. of Mathematics

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	KATO, Fumiharu	Algebraic Geometry, Arithmetic Geometry	Doctoral program only	Mathematics
Professor	TAGUCHI, Yuichiro	Number Theory	Doctoral program only	Mathematics
Professor	NAITO, Satoshi	Representation Theory	Doctoral program only	Mathematics
Associate Professor	SUZUKI, Masatoshi	Analytic Number 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
Professor	YAMADA, Kotaro	Differential 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
Associate Professor	ONODERA, Michiaki	Partial Differential Equations	Doctoral program only	Mathematics
Associate Professor	FUJIKAWA, Ege	Complex Analysis	Doctoral program only	Mathematics
Associate Professor	MIURA, Tatsuya	Partial Differential Equations	Doctoral program only	Mathematics
Professor	UMEHARA, Masaaki	Differential Geometry	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	MIURA, Hideyuki	Theory of Partial Differential Equations	Doctoral program only	Mathematics

Associate Professor (Lecturer)	TSUCHIOKA, Shunsuke	Quantum Algebra, Representation Theory	Doctoral program only	Mathematics

(2) Dept. of Physics

Academic Supervisor		Research Fields	Remarks	Graduate Major
Professor	ITO, Katsushi	Particle Physics (Theory)		Physics
Professor	OKUMA, Satoshi	Low Temperature Physics, Superconductivity		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	NAKAMURA, Takashi	Nuclear Physics (Experiment)		Physics
Professor	FUJISAWA, Toshimasa	Electron dynamics in semiconductor nanostructures		Physics
Professor	MURAKAMI, Shuichi	Theoretical Condensed Matter Physics, spintronics, geometrical phases		Physics
Professor	YAMAGUCHI, Masahide	Cosmology, particle physics, gravitation (Theory)		Physics
Professor	NOTOMI, Masaya	Nanophotonics, Photonic crystals, Metamaterials		Physics
Associate Professor	AIKAWA, Kiyotaka	Atomic and molecular physics, Quantum optics, Laser cooling		Physics
Associate Professor	ISHIZUKA, Hiroaki	Theoretical condensed matter physics, transport phenomena, magnetism		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	KOGA, Akihisa	Strongly correlated electron systems		Physics
Associate Professor	SUYAMA, Teruaki	Cosmology, gravitational waves (Theory)		Physics
Associate Professor	SEKIZAWA, Kazuyuki	Nuclear Physics (Theory)		Physics
Associate Professor	SOMIYA, Kentaro	Gravitational Wave Detector		Physics
Associate Professor	NISHIDA, Yusuke	Theoretical Quantum Physics, Ultracold Atoms		Physics

Associate Professor	HIRAHARA, Toru	Surface Physics, Nano /spin-Science		Physics
Associate Professor	FUJIOKA, Hiroyuki	Nuclear and Hadron Physics (Experiment)		Physics
Associate Professor	MATSUSHITA, Michio	Optical spectroscopy of single proteins		Physics
Associate Professor	YATSU, Yoichi	Astrophysics (Experiment)		Physics
Associate Professor (Lecturer)	KAWAMURA, Toru	Plasma Physics, Atomic Processes in Plasmas		Physics
Visiting Professor	DOTANI, Tadayasu	X-ray Astronomy (Experiment)	JAXA	Physics
Specially Appointed Professor	HIGEMOTO, Wataru	Strongly correlated electron systems, Muon science	JAEA	Physics
Visiting Professor	MATSUHARA, Hideo	Infrared Astronomy (Experiment)	JAXA	Physics
Visiting Professor	MIYAKE, Takashi	Computational materials science	AIST	Physics

(3) Dept. of Chemistry

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	GOTO, Kei	Organic Chemistry	Doctoral Program only	・Chemistry
Professor	ISHIUCHI, Shun-ichi	Physical Chemistry, Laser Spectroscopy	Doctoral Program only	・Chemistry
Professor	KAWAGUCHI, Hiroyuki	Coordination Chemistry	Doctoral Program only	・Chemistry
Professor	KAWANO, Masaki	Coordination Chemistry, Chemical Crystallography, Supramolecular Chemistry	Doctoral Program only	・Chemistry
Professor	KOSHIHARA, Shinya	Photo-induced Cooperative Phenomena, Optical Properties of Solids	Doctoral Program only	・Energy Science and Engineering ・Chemistry
Professor	NOGAMI, Kenji	Geochemistry, Volcanology	Doctoral Program only	・Chemistry
Professor	OHSHIMA, Yasuhiro	Physical Chemistry, Laser Science	Doctoral Program only	・Chemistry ・Energy Science and Engineering
Professor	TOYOTA, Shinji	Physical Organic Chemistry	Doctoral Program only	・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 Engineering ・Chemistry
Associate Professor	FUKUHARA, Gaku	Analytical Chemistry, Supramolecular Chemistry	Doctoral Program only	・Chemistry
Associate Professor	KITAJIMA, Masashi	Physical Chemistry	Doctoral Program only	・Chemistry
Associate Professor	KUDO, Fumitaka	Bioorganic Chemistry	Doctoral Program only	・Chemistry
Associate Professor	MAEDA, Kazuhiko	Inorganic Materials Chemistry, Photocatalysis	Doctoral Program only	・Energy Science and Engineering ・Chemistry

Associate Professor	NISHINO, Tomoaki	Surface Chemistry	Doctoral Program only	・Chemistry
Associate Professor	OHMORI, Ken	Organic Chemistry	Doctoral Program only	・Chemistry
Associate Professor	OKIMOTO, Yoichi	Optical Spectroscopy of Solids	Doctoral Program only	・ Energy Science and Engineering ・ Chemistry
Associate Professor	ONO, Kosuke	Organic Chemistry, Supramolecular Chemistry	Doctoral Program only	・Chemistry
Associate Professor	TAKAYA, Jun	Organic Chemistry	Doctoral Program only	・Chemistry
Associate Professor	UEKUSA, Hidehiro	Chemical Crystallography, Organic Crystal Chemistry	Doctoral Program only	・Chemistry
Associate Professor	YAMAZAKI, Masakazu	Physical Chemistry, Atomic and Molecular Physics	Doctoral Program only	・Chemistry
Associate Professor (Lecturer)	TERADA, Akihiko	Volcanology	Doctoral Program only	・Chemistry

(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		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
Associate Professor	OKUZUMI, Satoshi	Astrophysics, Planetary Formation		Earth and Planetary Sciences
Professor	OGAWA, Yasuo	Geomagnetism, Volcanology, Seismology	Volcanic Fluid Research Center	Earth and Planetary Sciences
Associate Professor	KANDA, Wataru	Physical Volcanology, Geomagnetism	Volcanic Fluid Research Center	Earth and Planetary Sciences
Professor	IDA, Shigeru	Planetary Formation, Numerical Simulation	Earth-Life Science Institute	Earth-Life Science ★ Earth and Planetary Sciences
Professor	SEKINE, Yasuhito	Earth and Planetary Environment Evolution, Astorobiology	Earth-Life Science Institute	Earth-Life Science ★ Earth and Planetary Sciences
Professor	HERNLUND, John	Geophysical Modeling	Earth-Life Science Institute	Earth-Life Science ★ Earth and Planetary Sciences
Associate 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	AOKI, Takayuki	Multi-phase Flow Simulation, Large-scale Computational Fluid Dynamics, GPU Computing	Accepted Students only for Master's Program	Mechanical Engineering Energy Science and Engineering
Professor	OKAMURA, Tetsuji	Cryogenics, Cooling/Refrigeration Technology, Superconducting Magnet Technology	Accepted Students only for Master's Program	Mechanical Engineering Energy Science and Engineering
Professor	OKUNO, Yoshihiro	Physics and Application of Magnetohydrodynamics, MHD Power Generation, Plasma Science and Engineering	Accepted Students only for Master's Program	Energy Science and Engineering Mechanical Engineering
Professor	SUEKANE, Tetsuya	CO2 Geological Storage, Enhanced Oil Recovery, Transport in Porous Media, Numerical Simulation of Multiphase Flow		Energy Science and Engineering Mechanical Engineering
Professor	TANAHASHI, Mamoru	Fluid Dynamics, Heat and Mass Transfer, Combustion		Energy Science and Engineering Mechanical Engineering
Professor	NOZAKI, Tomohiro	Plasma Chemistry, Reaction Engineering, Thermal Engineering		Energy Science and Engineering Mechanical Engineering
Professor	HIRAI, Shuichiro	Global Environment Engineering	Accepted Students only for Master's Program	Mechanical Engineering Energy Science and Engineering
Professor	FUSHINOBU, Kazuyoshi	Thermal Engineering (Laser, Electronic Packaging, Digital Printing, Energy Equipment)		Mechanical Engineering
Specially Appointed Professor	KADONAGA, Masami	Digital printing, Inkjet printing, Electrophotography	Accepted Students only for Master's Program	Mechanical Engineering
Associate Professor	ONISHI, Ryo	Environmental Turbulent Flows, CFD, Machine Learning, Data Assimilation, Micro-Meteorology Forecasting System		Mechanical Engineering
Associate Professor	KIKURA, Hiroshige	Nuclear Reactor Safety, Process Control and Measurement System, Thermal Hydraulics, Safe Transport of Radioactive Material		Nuclear Engineering
Associate Professor	SAITO, Takushi	Development of Heat Transfer Control using Nanomaterials, Analysis of Transport Phenomena including Interface, Advanced Material Processing Technology using Heat		Mechanical Engineering Energy Science and Engineering
Associate Professor	SASABE, Takashi	Advanced Energy Engineering		Mechanical Engineering Energy Science and Engineering
Associate Professor	SHIMURA, Masayasu	Fluid Dynamics, Heat and Mass Transfer, Combustion, Combustion Control		Energy Science and Engineering Mechanical Engineering
Associate Professor	HASEGAWA, Jun	Plasma Science and Technology, Ion Beam Application Studies, Inertial Fusion Studies, High Energy Density Science, Radiation Physics		Mechanical Engineering Energy Science and Engineering
Associate Professor	MURAKAMI, Yoichi	Molecular Energy Mechanics, Thermal Engineering, Functional Materials Development, Light Wavelength Conversion, Flow Thermo-Electric Conversion, Nano-structured Thermal Energy Storage Materials		Mechanical Engineering Energy Science and Engineering
Specially Appointed Associate Professor	KATO, Koichi	Digital printing, Inkjet printing, Electrophotography	Accepted Students only for Master's Program	Mechanical Engineering
Assistant Professor (Tenure Track)	MINAMOTO, Yuki	Direct numerical simulations of turbulent reacting flows, theoretical and machine-learning based modelling for turbulent flows and other natural and social phenomena.		Energy Science and Engineering Mechanical Engineering
Professor	INOUE, Hirotsugu	Mechanics of Materials, Non-destructive Testing		Mechanical Engineering

Professor	OHTAKE, Naoto	Manufacturing Science and Technology		Mechanical Engineering Engineering Sciences and Design
Professor	SATO, Chiaki	Adhesion Technology, Composite Materials		Mechanical Engineering Engineering Sciences and Design
Professor	TODOROKI, Akira	Solids and Structures Engineering	Not accepted students for Integrated Doctoral Education Program	Mechanical Engineering
Professor	HIRATA, Atsushi	Surface Engineering		Mechanical Engineering
Professor	YOSHINO, Masahiko	Nano/micro Manufacturing, Metalforming, Machining	Accepted Students only for Master's Program	Mechanical Engineering
Associate Professor	AONO, Yuko	Functional Surface and Thin Film, Laser Processing		Mechanical Engineering
Associate Professor	AKASAKA, Hiroki	Synthesis and Evaluation of Inorganic Carbon Materials		Mechanical Engineering Engineering Sciences and Design
Associate Professor	INABA, Kazuaki	Continuum Mechanics		Mechanical Engineering Engineering Sciences and Design
Associate Professor	KONDO, Masatoshi	Fusion reactor, Fast reactor, Material compatibility, Liquid metal technology		Nuclear Engineering
Associate Professor	SAKAGUCHI, Motoki	Mechanics and Strength of Materials		Mechanical Engineering
Associate Professor	TANAKA, Tomohisa	Production engineering, Manufacturing, Tribology		Mechanical Engineering
Associate Professor	MIZUTANI, Yoshihiro	Structural Reliability Engineering, Application of Artificial Intteligence		Mechanical Engineering Engineering Sciences and Design
Associate Professor	YAMAZAKI, Takahisa	Materials for Space Use, Advanced Joining and Surface Coating		Mechanical Engineering Engineering Sciences and Design
Associate Professor	YAMAMOTO, Takatoki	Bionanotechnology, Micro TAS		Mechanical Engineering Human Centered Science and Biomedical Engineering
Associate Professor	YOSHIOKA, Hayato	Production Engineering, Ultraprecision Mechanical System		Mechanical Engineering Engineering Sciences and Design
Professor	IWATSUKI, Nobuyuki	Human Friendly Systems, Silent Engineering	Accepted Students only for Master's Program	Mechanical Engineering Engineering Sciences and Design
Professor	SHINSHI, Tadahiko	Mechanical Systems, Magnetic MEMS, Artificial Heart		Mechanical Engineering Human Centered Science and Biomedical Engineering
Professor	TAKAHARA, Hiroki	Structural Dynamics	Accepted Students only for Master's Program	Mechanical Engineering
Professor	MATUNAGA, Saburo	Space Systems Engineering, Micro/Nano Satellite/Spacecraft Systems, Variable Shape Space Technology		Mechanical Engineering
Professor	YANAGIDA, Yasuko	Bio-MEMS/NEMS, Biosensing, Biofunctional Engineering		Human Centered Science and Biomedical Engineering Mechanical Engineering

Professor	YAMAURA, Hiroshi	Mechatronics, Dynamics, Control		Mechanical Engineering
Professor	YOSHIDA, Kazuhiro	Fluid Power Micromachines, Microactuators, Functional Fluid Application	Not accepted students for Integrated Doctoral Education Program	Engineering Sciences and Design Mechanical Engineering
Specially Appointed Professor	KOBAYASHI, Tsune	Analysis and Design of Mechanical Elements, Mechanisms for Automobiles		Mechanical Engineering
Associate Professor	ISHIDA, Tadashi	Biomedical MEMS, Nanobiology		Human Centered Science and Biomedical Engineering Mechanical Engineering
Associate Professor	KIM, Joon-wan	MEMS, Micro Mechatronics, Bio Mechatronics		Mechanical Engineering Human Centered Science and Biomedical Engineering
Associate Professor	SAKAMOTO, Hiraku	Space Structures, Dynamics, Numerical Analysis		Engineering Sciences and Design Mechanical Engineering
Associate Professor	NAKANISHI, Hiroki	Space engineering, Space robotics		Mechanical Engineering
Associate Professor	NAKANO, Yutaka	Vibration Engineering		Mechanical Engineering
Associate Professor	NISHISAKO, Takashi	Nano/micro Fluid, Emulsion, Micro Chemistry, Bio chemistry, MEMS		Mechanical Engineering
Associate Professor	HIJIKATA, Wataru	Mechatronics, Medical Device, Wireless Power Transmission		Engineering Sciences and Design Mechanical Engineering
Specially Appointed Associate Professor	MATSUURA, Daisuke	Analysis and Design of Mechanical Elements, Robotics, Mechatronics, Visual Measurement, Visual Servo, Non-contact Manipulation, Welfare equipment		Mechanical Engineering
Assistant Professor (Tenure Track)	CHUJO, Toshihiro	Astrodynamics, Trajectory design, Guidance, Navigation, and Control, Deep space mission design, Spacecraft system, Dynamics simulation		Mechanical Engineering
Professor	OKADA, Masafumi	Robotics, Control Engineering		Engineering Sciences and Design Mechanical Engineering
Professor	SAITO, Shigeki	Micromechanics, Micro Robotics, Engineering Design		Engineering Sciences and Design
Professor	SUZUMORI, Koichi	Robotics, Soft Robotics, Actuator	Accepted Students only for Master's Program	Mechanical Engineering
Professor	TAKEDA, Yukio	Mechanical Systems Design		Mechanical Engineering Engineering Sciences and Design
Professor	NISHIDA, Yoshifumi	Living Centric Design, Living Function Support, Artificial Intelligence, IoT		Engineering Sciences and Design Mechanical Engineering
Professor	ENDO, Gen	Robotics, Mechatronics, Mechanism Design		Mechanical Engineering
Associate Professor	SUGAHARA, Yusuke	Mechanical Systems Design		Mechanical Engineering Engineering Sciences and Design
Associate Professor	TAKAYAMA, Toshio	Robothics & Mechatronics, Mechanism, Soft robot, Medical device, Microfluidic device		Mechanical Engineering

Associate Professor	TANAKA, Hiroto	Biomimetics, Fluid dynamics of animal flight and swimming, Flapping-wing aerial/underwater robots, Micro fabrication		Mechanical Engineering
Associate Professor	YAGI, Tohru	Neural Engineering, Human Interface, Vision		Human Centered Science and Biomedical Engineering Mechanical Engineering
Specially Appointed Associate Professor	ENDO, Mitsuru	Human Collaborative Robot, Light-weight Actuator, Mechatronics		Mechanical Engineering
Associate Professor (Lecturer)	MIURA, Satoshi	Human-Machine Interface, Brain-Machine Interface, Medical Robotics, Welfare Robotics,Surgical Robotics		Mechanical 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
Professor	KOSAKA, Hidenori	Thermodynamics, Fluid Dynamics, Internal Combustion Engine		Systems and Control Engineering
Professor	SAMPEI, Mitsuji	Control Theory		Systems and Control Engineering Engineering Sciences and Design
Professor	TSUKAGOSHI, Hideyuki	Biomimetic Soft Actuator, Fluid powered robot, Medical actuator		Systems and Control Engineering
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
Specially Appointed Professor	NAKADAI, Kazuhiro	Robot Audition, Computational Auditory Scene Analysis, Human-Machine Interaction	Prof. Nakadai belongs to research alliance laboratory with Honda Research Institute. Please make contact with the admission chair of the department, in advance.	Systems and Control Engineering
Associate Professor	ISHIZAKI, Takayuki	Systems and Control Theory, Power Systems, Distributed Energy Management System, Optimization		Systems and Control Engineering
Associate Professor	SATO, Susumu	Environmental Load Reduction in Transportation System, Control of Advanced Exhaust After-Treatment System, Alternative Fuels for Internal Combustion Engine		Systems and Control Engineering
Associate Professor	TANAKA, Masayuki	Computational photography, Image processing		Systems and Control Engineering
Associate Professor	HATANAKA, Takeshi	Cyber-Physical & Human Systems, Cyber-Physical Campus Energy Management, Networked Mobility, Distributed Optimization, Learning and Games		Systems and Control Engineering
Associate Professor	HAYAKAWA, Tomohisa	Control Theory, Dynamical Systems Theory, Smart Society, Game Theory		Systems and Control Engineering

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		Systems and Control Engineering
Associate Professor	YAMAKITA, Masaki	Control Engineering, Robotics		Systems and Control Engineering Engineering Sciences and Design
Specially Appointed Associate Professor	ITOYAMA, Katsutoshi	Music Information Processing, Statistical Signal Processing, Machine, Learning, Robot Audition, Animal Sound Analysis	Associate Prof. Itoyama belongs to research alliance laboratory with Honda Research Institute. Please make contact with the admission chair of the department, in advance.	Systems and Control Engineering
Professor	ISHII, Hideaki	Systems and Control, Control Over Networks		Systems and Control Engineering
Professor	TAKAYASU, Misako	Statistical Physics, Econophysics, Complex Networks		Systems and Control Engineering
Professor	NAKAYAMA,Minoru	Human Factors, Visual Perception, Language Processing, Educational System Evaluation, Educational Technology		Systems and Control Engineering
Professor	MIYAKE, Yoshihiro	Co-creation System, Human Communication, Cognitive Science, Self-Organization, Human Interface		Systems and Control Engineering
Professor	YAMAMURA, Masayuki	Artificial Intelligence, Systems / Synthetic Biology, Molecular Robotics, Artificial Life		Systems and Control Engineering
Associate Professor	AONISHI, Toru	Computational Neuroscience, Statistical Mechanics		Systems and Control Engineering
Associate Professor	ONO, Isao	Evolutionary Computation, Reinforcement learning, Optimization		Systems and Control Engineering
Associate Professor	TAKINOUE, Masahiro	Molecular robot, DNA nanotechnology, DNA computer, Artificial cell, Syntheti biology, Biomicrofluidics, Biophysics, Wet experiments		Systems and Control Engineering

(7) Dept. of Electrical and Electronic Engineering

Academic Supervisor		Research Field	Remarks	Graduate Major
Associate 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, Millimeter-Wave, IoT, Analog Circuit Design		Electrical and Electronic Engineering
Professor	TOKUDA, Takashi	Microdevices and circuits for biomedical and IoT		Human Centered Science and Biomedical Engineering Electrical and Electronic Engineering
Associate Professor	AOYAGI, Takahiro	Electromagnetic Compatibility (EMC)		Electrical and Electronic Engineering
Professor	UENOHARA, Hiroyuki	Optical Communications, Optical Signal Processing, Photonic Switching, Photonic Integration		Electrical and Electronic Engineering
Associate Professor	KUROSAWA, Minoru	Actuators, Audio Engineering, echo location		Electrical and Electronic Engineering
Professor	SAKAGUCHI, Kei	Wireless communications, 5G/6G, IoT, mmWave, Wireless power transmission, Connected car, Automated driving		Electrical and Electronic Engineering

Associate Professor	TRAN, Gia Khanh	Gbps-class wireless backbone network, Radio resource management using AI, IoT networks employing drones		Electrical and Electronic Engineering
Associate Professor	SHOJI, Yuya	Lightwave Circuits, Optical Communication		Electrical and Electronic Engineering
Associate Professor	TABARU, Marie	Biomedical Engineering Measurement, Agricultural Engineering Measurement, Acoustic Engineering		Human Centered Science and Biomedical Engineering Electrical and Electronic Engineering
Professor	NAKAMURA, Kentaro	Optical Sensing, Applied Acoustic Devices		Human Centered Science and Biomedical Engineering Electrical and Electronic Engineering
Associate Professor	NISHIKATA, Atsuhiro	Electromagnetic Compatibility (EMC), Material Measurement, Auditory Information		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
Assistant Professor (Tenure Track)	TOMURA, Takashi	Satellite onboard antenna, wireless communication, large-scale electromagnetic analysis.		Electrical and Electronic Engineering
Associate Professor	MIYAMOTO, Tomoyuki	Optelectronics, Optical wireless power transmnission		Electrical and Electronic Engineering
Associate Professor	OHMI, Shun-ichiro	Semiconductor Devices		Electrical and Electronic Engineering
Associate Professor	KAKUSHIMA, Kuniyuki	Nanoelectronics and MEMS		Electrical and Electronic Engineering
Associate Professor	KODERA, Tetsuo	Quantum computing technology, Quantum Information devices, Nano quantum electronics		Electrical and Electronic Engineering Energy Science and Engineering
Associate Professor	SUZUKI, Safumi	Terahertz Devices, Active Metamaterials, THz Wireless Communication, THz Radar System, THz 3D Imaging		Electrical and Electronic Engineering
Professor	HATANO, Mutsuko	Quantum sensors, Power devices, Solid-State Physics and Engineering		Energy Science and Engineering Electrical and Electronic Engineering
Associate Professor	IWASAKI, Takayuki	Diamond Quantum Sensor, Solid-state Quantum Emitter for Quantum Communication, Diamond Device		Electrical and Electronic Engineering Energy Science and Engineering
Professor	MIYAMOTO, Yasuyuki	Compound Semiconductor Process/Devices		Electrical and Electronic Engineering
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	IINO, Hiroaki	Organic Electronics, TFT, Imaging Devices		Electrical and Electronic Engineering
Associate Professor	ITO, Haruhiko	Opto-Quantum Electronics		Electrical and Electronic Engineering
Professor	KAJIKAWA, Kotaro	Plasmonics, Metamaterials, Nonlinear Optics		Human Centered Science and Biomedical Engineering Electrical and Electronic Engineering

Associate Professor	SUGAHARA, Satoshi	Integrated Devices and Circuits		Electrical and Electronic Engineering
Associate Professor	TAGUCHI, Dai	Dielectric physics, Organic electronics, Nonlinear Optics		Electrical and Electronic Engineering
Professor	NAKAGAWA, Shigeki	Spintronics, Information Storage Devices, Superconductive Spintronics		Electrical and Electronic Engineering
Associate Professor	PHAM, Nam Hai	Semiconductor/metal spintronics, Ferromagnetic semiconductor, Topological insulator		Electrical and Electronic Engineering
Professor	MANAKA, Takaaki	Organic and Polymer Electronics, Organic Devices, Nonlinear Optics		Electrical and Electronic Engineering
Associate Professor	MIYAJIMA, Shinsuke	Photovoltaic materials and devices		Energy Science and Engineering Electrical and Electronic Engineering
Professor	YAMADA, Akira	Semiconductor Physics, Solar Cells, Compound Thin-Film Solar Cells		Energy Science and Engineering 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		Human Centered Science and Biomedical Engineering Electrical and Electronic Engineering
Professor	OGURI, Yoshiyuki	Environmental- and Medical Sciences Based on MeV Ion Beams	indicates person who will retire in March, 2023.	Nuclear Engineering
Assistant Professor (Tenure Track)	KAWABE, Kenichi	Power system engineering, Renewable energy sources		Electrical and Electronic Engineering Energy Science and Engineering
Associate Professor	TAKEUCHI, Nozomi	Plasma Engineering, Electrostatics, High Voltage Engineering		Electrical and Electronic Engineering Energy Science and Engineering
Professor	CHIBA, Akira	Electric Machine, Magnetic Suspension		Electrical and Electronic Engineering Energy Science and Engineering
Associate Professor	KIYOTA, Kyohei	Electric Machines, motor, generator, magnetic suspension		Energy Science and Engineering Electrical and Electronic Engineering
Associate Professor	HAGIWARA, Makoto	Power Electronics, Smart Grid, Renewable Energy		Energy Science and Engineering Electrical and Electronic Engineering
Professor	FUJITA, Hideaki	Power Electronics, Electrical Machinery		Electrical and Electronic Engineering Energy Science and Engineering
Assistant Professor (Tenure Track)	SANO, Kenichiro	Power Electronics, High voltage dc transmission		Electrical and Electronic Engineering Energy Science and Engineering
Specially Appointed Professor	FUJII, Teruya	5G and 6G cellular system, Network cooperated cellular system, HAPS mobile communication system, Massive antenna design	indicates person who will retire in March, 2023.	Electrical and Electronic Engineering
Specially Appointed Associate Professor	OMOTE, Hideki	5G and 6G cellular system, 5G and 6G mobile radio propagation, International standardization of mobile radio propagation	indicates person who will retire in March, 2023.	Electrical and Electronic Engineering
Specially Appointed Professor	URAKABE, Takahiro	Power electronics		Electrical and Electronic Engineering Energy Science and Engineering
Specially Appointed Associate Professor	HARADA, Shigeki	Power electronics		Electrical and Electronic Engineering Energy Science and Engineering

(8) Dept. of Information and Communications Engineering

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	FUKAWA, Kazuhiko	Wireless Communications, Wireless Communication Networks, Intelligent Signal Processing, Adaptive Filter Theory		・Information and Communications Engineering
Professor	ISSHIKI, Tsuyoshi	System-LSI Design Methodology, Embedded Processor Design		・Information and Communications Engineering
Professor	KANEKO, Hirohiko	Visual Information Processing, Human Space Perception, Eye Movements,Multimodal Sensory Interaction		・ Human Centered Science and Biomedical Engineering ・ Information and Communications Engineering
Professor	KOIKE, Yasuharu	Human Interface, Computational Neuroscience		・ Human Centered Science and Biomedical Engineering ・ Information and Communications Engineering
Professor	KUMAZAWA, Itsuo	Neural Networks, Cognitive Science, Image Processing, Image Encoding, Pattern Recognition, User Interfaces	Retire in March 2024	・Information and Communications Engineering
Professor	MOTOMURA, Masato	Reconfigurable Hardware, Intelligent Computing, Deep Learning Processor, Annealing Machine		・Information and Communications Engineering
Professor	NAKAMOTO, Takamichi	Human Interface, Olfactory Display, Odor Sensing System, Sensor Information Processing		・Information and Communications Engineering
Professor	NAKAMURA, Kentaro	Optical Sensing, Applied Acoustic Devices		・Information and Communications Engineering
Professor	NAKAYAMA, Minoru	Human Factors, Visual Perception, Language Processing, Educational System Evaluation, Educational Technology	Doctoral program only	・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		・Information and Communications Engineering
Professor	SLAVAKIS, Konstantinos	Signal Processing, Machine Learning, Data Analytics		・ Human Centered Science and Biomedical Engineering ・ Information and Communications Engineering
Professor	SUZUKI, Kenji	Deep learning, Machine learning, Computer-aided Diagnosis, Biomedical Image Understanding, Artificial Intelligence.		・ Human Centered Science and Biomedical Engineering ・ Information and Communications Engineering
Professor	TAKAGI, Shigetaka	Integrated Circuits, Circuit Theory	Doctoral program only Retire in March 2024	・Information and Communications Engineering
Professor	TAKAHASHI, Atsushi	VLSI CAD, Physical Design, Synchronous Circuits	Doctoral program only	・Information and Communications Engineering
Professor	UYEMATSU, Tomohiko	Information Theory, Coding Theory	Doctoral program only	・Information and Communications Engineering
Professor	YAMADA, Isao	Signal Processing, Machine Learning, Optimization, Inverse Problems	Doctoral program only	・Information and Communications Engineering
Professor	YAMAGUCHI, Masahiro	Optical Imaging and Display, Spectral Imaging, Pathology Image Analysis, Holography		・ Human Centered Science and Biomedical Engineering ・ Information and Communications Engineering
Professor	YAMAOKA, Katsunori	Information and Communication Network	Doctoral program only	・Information and Communications Engineering
Visiting Professor	SATO, Imari	Computer Vision, Computer Graphics, Image-Based Modeling and Rendering, Machine Learning	Accept students as a co-supervisor	・Information and Communications Engineering
Associate Professor	FUNAKOSHI, Kotaro	Natural Language Processing, Multimodal Dialogue System, Human-Machine Interaction		・Information and Communications Engineering
Associate Professor	HARA, Yuko	Low-Energy Embedded Systems, Internet of Things (IoT), Hardware/Software Co-design		・Information and Communications Engineering
Associate Professor	HASEGAWA, Shoichi	Physics Engine, Character motion, Haptics, Virtual Reality, Human Computer Interaction, Entertainment Computing		・Information and Communications Engineering
Associate Professor	JITSUMATSU, Yutaka	Information Theory, Communication Systems, Information Security	Doctoral program only	・Information and Communications Engineering
Associate Professor	KASAI, Kenta	Coding Theory, LDPC Codes, Spatially Coupled Codes	Doctoral program only	・Information and Communications Engineering

Associate Professor	KITAGUCHI, Yoshiaki	Network Operations Management, Network Security	Doctoral program only	・Information and Communications Engineering
Associate Professor	KUROSAWA, Minoru	Audio Engineering, Acoustic Radiation Force Fluicic Actuator,Echo Location Systems		・Information and Communications Engineering
Associate Professor	MATSUMOTO, Ryutaroh	Error-correcting code, information theory, quantum information	Doctoral program only	・Information and Communications Engineering
Associate Professor	NAGAI, Takehiro	Color Science and Technology、Material Perception Science、Visual Psychophysics		・Human Centered Science and Biomedical Engineering ・Information and Communications Engineering
Associate Professor	NAKAHARA, Hiroki	Reconfigurable Computing,High-Performance Computing,FPGA, Machine Learning		・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	OBI, Takashi	Medical Informatics, Madical Image Processing, Information Security, Secure System		・Information and Communications Engineering ・Human Centered Science and Biomedical Engineering
Associate Professor	SASAKI, Hiroshi	Computer Architecture, Computer Security, Computer Systems, Internet of Things (IoT), Workload Characterization		・Information and Communications Engineering
Associate Professor	SHINOZAKI, Takahiro	Speech Understanding, Dialogue System, Reinforcement Learning, Machine Learning		・Information and Communications Engineering ・Human Centered Science and Biomedical Engineering
Associate Professor	TABARU, Marie	Biomedical Engineering Measurement, Agricultural Engineering Measurement, Acoustic Engineering		・Information and Communications Engineering
Associate Professor	WATANABE, Yoshihiro	Computer Vision, Augmented Reality, Digital Archiving, Human-computer Interaction		・Information and Communications Engineering
Associate Professor	YOSHIMURA, Natsue	Brain Activity Decoding, Human Interface, Computational Neuroscience		・Human Centered Science and Biomedical Engineering ・Information and Communications Engineering
Associate Professor	YU, Jaehoon	Machine Learning, Intelligent Computing, Pattern Recognition, System Architecture		・Information and Communications Engineering

(9) Dept. of Industrial Engineering and Economics

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	INOUE, Kotaro	Corporate Finance, Corporate Governance		・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	MATSUI, Tomomi	Optimization Theory, Combinatorics, Operations Research		・Industrial Engineering and Economics
Professor	YAMATO, Takehiko	Economic Theory, Experimental Economics		・Industrial Engineering and Economics
Associate Professor	AOKI, Hirotaka	Human Factors and Ergonomics, Industrial Engineering		・Industrial Engineering and Economics
Associate Professor	OGASAWARA, Kota	Cliometrics, Health Economics		・Industrial Engineering and Economics
Associate Professor	KAWASAKI, Ryo	Mathematical Economics, Game Theory		・Industrial Engineering and Economics
Associate Professor	GU, Xiuzhu	Healthcare management, Safety engineering, Human factors		・Industrial Engineering and Economics

Associate Professor	SEABORN Katie	Human factors engineering, inclusive design, game design, UX		・Industrial Engineering and Economics ・Engineering Sciences and Design
Associate Professor	CHUNG, Sulin	Marketing, Retailing		・Industrial Engineering and Economics
Associate Professor	NAGATA, Kyoko	Financial Reporting, Company Analysis, Corporate Governance		・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
Visiting Professor	MASUI, Toshihiko	Environmental Economic Modeling	Accept students as a co-supervisor	・Industrial Engineering and Economics
Visiting Associate Professor	KANAMORI, Yuko	Environmental Economic Modeling	Accept students as a co-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	INAMURA, Tomonari	Shape Memory Alloy, Crystallography of Phase Transformation		Materials Science and Engineering Energy Science and Engineering
Professor	ONAKA, Susumu	Mechanical Properties of Materials		Materials Science and Engineering
Professor	TADA, Eiji	Corrosion and Environmental Degradation of Materials		Materials Science and Engineering
Professor	FUJII, Toshiyuki	Crystallography of Microstructures		Materials Science and Engineering
Professor	HOSODA, Hideki	Materials Design, Shape Memory Alloys, Intermetallic Compounds		Materials Science and Engineering Human Centered Science and Biomedical Engineering Energy Science and Engineering
Associate Professor	KAWAMURA, Kenichi	High Temperature Physical Chemistry, Solid State Ionics		Materials Science and Engineering
Associate Professor	GOHDA, Yoshihiro	Electron Theory of Magnetic Materials and Surface Nanostructures		Materials Science and Engineering
Associate Professor	KOBAYASHI, Equo	Physical Metallurgy of Non-ferrous Metals and Intermetallics, Design and Evaluation of Biomedical Materials		Materials Science and Engineering Human Centered Science and Biomedical Engineering
Associate Professor	KOBAYASHI, Satoru	Phase diagrams and phase transformations in alloys, Physical metallurgy of ferrous alloys, Heat resistant steels and alloys		Materials Science and Engineering
Associate Professor	SANNOMIYA, Takumi	Plasmonic Materials, Electron Microscopy		Materials Science and Engineering Human Centered Science and Biomedical Engineering Energy Science and Engineering
Associate Professor	TAHARA, Masaki	Functional metal material, Diffusionless phase transformation, Metallography, Biomedical Ti alloy		Materials Science and Engineering Human Centered Science and Biomedical Engineering
Associate Professor	TERADA, Yoshihiro	Microstructure Control, Mechanical Properties, Heat-Resistant Materials		Materials Science and Engineering
Associate Professor	NAKADA, Nobuo	Microstructure and Mechanical Properties of Iron and Steels		Materials Science and Engineering
Associate Professor	NAKATSUJI, Kan	Surface and Interface Physics		Materials Science and Engineering
Associate Professor	MURAISHI, Shinji	Micromechanics, Nanostructured Material, Crystal Defects		Materials Science and Engineering
Professor	KIMURA, Yoshisato	Materials Design based on Phase Diagrams and Microstructure Control, Intermetallics, Thermoelectric Materials, Heat Resistant Alloys		Energy Science and Engineering Materials Science and Engineering

Professor	SHI, Ji	Physical Properties of Metals, Magnetic Thin Films		Energy Science and Engineering Materials Science and Engineering
Associate Professor	UEDA, Mitsutoshi	High Temperature Oxidation of Metals, Defect Chemistry in Oxides, Physical Chemistry at High Temperature		Energy Science and Engineering Materials Science and Engineering
Professor	HAYASHI, Miyuki	Thermophysical Properties of Materials, High Temperature Process Control		Energy Science and Engineering Materials Science and Engineering
Professor	SONE, Masato	Material Fabrication and Evaluation for IC & MEMS		Human Centered Science and Biomedical Engineering Materials Science and Engineering
Associate Professor	CHANG, Tso-Fu Mark	Electrodeposition, Metal-based Catalyst, Metal/Metal Oxide Composite Photocatalyst, Metal/Polymer Flexible Functional Materials		Human Centered Science and Biomedical Engineering 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	OUGIZAWA, Toshiaki	Physical Chemistry of Polymeric Materials		Materials Science and Engineering
Professor	HAYAKAWA, Teruaki	Polymer Synthesis, Polymer Thin Films, Self-Organizing Organic and Polymeric Materials		Materials Science and Engineering
Professor	VACHA, Martin	Optical Properties of Organic Materials		Materials Science and Engineering Energy Science and Engineering
Associate Professor	ASAI, Shigeo	Physical Properties of Organic Materials, Polymer Composites		Materials Science and Engineering
Associate Professor	SHIOYA, Masatoshi	Structure and Mechanical Properties of Carbon Materials, Fibers and Composite Materials		Materials Science and Engineering
Associate Professor	HAYAMIZU, Yuhei	Bio-interface, Nano Materials		Materials Science and Engineering Human Centered Science and Biomedical Engineering
Associate Professor	MICHINOBU, Tsuyoshi	Polymer Synthesis, Semiconducting Polymers		Materials Science and Engineering
Associate Professor	SAGARA, Yoshimitsu	Organic Supramolecules, Stimuli-responsive Luminescent Materials, Mechanophore		Materials Science and Engineering
Professor	MATSUMOTO, Hidetoshi	Functional Nanomaterials, Polymer Membranes and Thin Films, Energy-Related Materials		Materials Science and Engineering Energy Science and Engineering
Professor	MORIKAWA, Junko	Polymer Processing, Thermal Properties of Polymers		Materials Science and Engineering Human Centered Science and Biomedical Engineering
Professor	AZUMA, Masaki	Solid State Chemistry		Materials Science and Engineering
Professor	IKOMA, Toshiyuki	Bioceramics, Biosensing, Nanomedicine, Tissue Engineering		Human Centered Science and Biomedical Engineering Materials Science and Engineering
Professor	OBA, Fumiyasu	Computational Design of Electronic and Energy Materials		Materials Science and Engineering
Professor	KAMIYA, Toshio	Semiconductors, Optoelectronic Devices, Computer simulation		Materials Science and Engineering
Professor	KAWAJI, Hitoshi	Physical Chemistry of Materials, Phase Transition		Materials Science and Engineering
Professor	KITAMOTO, Yoshitaka	Nanoparticles, Magnetic Materials and Devices, Biomedical Devices, Biosensors		Human Centered Science and Biomedical Engineering
Professor	NAKAJIMA, Akira	Environmental Ceramics, Surface Functional Materials		Materials Science and Engineering
Professor	HARA, Michikazu	Catalysis, Surface Science		Materials Science and Engineering Energy Science and Engineering

Professor	HIRAMATSU, Hidenori	Superconducting Materials and Devices		Materials Science and Engineering
Professor	FUNAKUBO, Hiroshi	Materials Science, Thin Film Devices		Materials Science and Engineering
Professor	MAJIMA, Yutaka	Single Nanoscale Electronic Materials and Devices, Electroless Au Plating, Molecular Transistor, Single-Electron Transistor, Scanning Probe Microscopy		Materials Science and Engineering
Professor	MATSUSHITA, Nobuhiro	Novel Material Processes for Energy and Environmental, Biomedical, Electronic Applications		Materials Science and Engineering
Professor	MIYAUCHI, Masahiro	Photocatalysis, Artificial Photosynthesis, Green House Gas Conversion, Hydrogen Carrier, Chemical Synthesis of Nanoparticles		Energy Science and Engineering Materials Science and Engineering
Professor	YANO, Tetsuji	Ion-Dynamics in glass for mechanical and electrochemical use, Optical properties for devices, Glasses for environmental problems		Materials Science and Engineering
Associate Professor	ISOBE, Toshihiro	Environmental Ceramics, Porous ceramics, Membrane, Functional ceramics		Materials Science and Engineering
Associate Professor	KATASE, Takayoshi	Oxide electronics, Energy materials, Thin film device		Materials Science and Engineering
Associate Professor	KAMATA, Keigo	Catalytic Chemistry, Environment-Friendly Chemical Process		Materials Science and Engineering Energy Science and Engineering
Associate Professor	KITANO, Masaaki	Heterogeneous Catalyst, Ammonia Synthesis, Acid Base Catalyst		Materials Science and Engineering
Associate Professor	KUMAGAI, Yu	Development and application of first-principles calculations for semiconductor material sciences		Materials Science and Engineering
Associate Professor	SASAGAWA, Takao	Strongly Correlated Electron Systems		Materials Science and Engineering Energy Science and Engineering
Associate Professor	TSUGE, Takeharu	Biodegradable Plastics		Materials Science and Engineering Human Centered Science and Biomedical Engineering
Associate Professor	NAKAMURA, Kazutaka	Laser Spectroscopy		Materials Science and Engineering
Associate Professor	HAYASHI, Tomohiro	Nanobio science, Biointerface & Biomaterials, Materials Informatics		Human Centered Science and Biomedical Engineering
Associate Professor	HOSHINA, Takuya	Dielectric and Ferroelectric Materials, Phonon Analysis		Materials Science and Engineering
Associate Professor	MATSUISHI, Satoru	Synthesis and Characterization of Superconducting and Electro-Active Materials		Materials Science and Engineering
Associate Professor	MATSUSHITA, Sachiko	Sensitized Thermal Cell, Plasmonics, Fabrication of Nanostructures		Materials Science and Engineering Energy Science and Engineering
Associate Professor	YAMAMOTO, Takafumi	Solid state chemistry, functional inorganic materials (magnetism, superconductivity, photofunctionality, catalytic property, etc)		Materials Science and Engineering
Associate Professor	YOSHIDA, Katsumi	Severe environment resistant materials, Materials for nuclear and fusion applications, Ceramic-based composites, High performance porous ceramics		Nuclear Engineering
Associate Professor (Lecturer)	MATSUDA, Akifumi	Atomic-scale Materials Engineering, Materials for Electronics and Energy Applications		Materials Science and Engineering Energy Science and Engineering
Assistant Professor (Tenure Track)	YAMAGUCHI, Akira	electrocatalysts, hydrothermal electrochemistry		Energy Science and Engineering Materials Science and Engineering
Institute Professor	HOSONO, Hideo	Exploring novel electronic & photonic materials (Superconductor, Transparent-semiconductors, Fluorescent and Catalytic Materials)		Materials Science and Engineering

Specially Appointed Professor	SAKATA, Osami	Materials Analysis using Synchrotron Radiation, Functional Thin Films, Surfaces, Nano-particles		Materials Science and Engineering

(11) Dept. of Chemical Science and Engineering

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	OHTOMO, Akira	Inorganic Solid State Chemistry, Thin Film, Surface and Interface, Device Physics		Chemical Science and Engineering
Professor	TANAKA, Katsunori	Synthetic Organic Chemistry, Bioorganic Chemistry, Chemical Biology		Human Centered Science and Biomedical Engineering Chemical Science and Engineering
Professor	TANAKA, Ken	Synthetic Organic Chemistry, Asymmetric Synthesis, Organometallic Chemistry		Chemical Science and Engineering
Professor	TSUKAHARA, Takehiko	Analytical Chemistry, Radiation Chemistry, Environmental Science, Radioactive Waste Management, Micro-Nano Chemistry, Functional Polymer, Nuclear Fuel Cycle, Decommissioning		Nuclear Engineering
Professor	NAKAMURA, Ryuhei	Origin of life, Earth-life science, Electrocatalysis		Chemical Science and Engineering
Professor	HITOSUGI, Taro	Nanoscience, Solid-state chemistry, Solid-state electrochemistry		Chemical Science and Engineering
Professor	MURAHASHI, Tetsuro	Synthetic Inorganic and Organometallic Chemistry, Coordination Chemistry		Chemical Science and Engineering
Professor	YAMANAKA, Ichiro	Catalysis, Electrocatalysis, Oxidation	Retirement at Mar. 2026	Chemical Science and Engineering Energy Science and Engineering
Associate Professor	ITO, Shigekazu	Physical Organic Chemistry, Organic Synthesis, Main Group Chemistry, Muon Science		Chemical Science and Engineering
Associate Professor	KUWATA, Shigeki	Coordination Chemistry, Organometallic Chemistry		Chemical Science and Engineering Energy Science and Engineering
Associate Professor	SHIMIZU, Ryota	Inorganic Solid State Physics and Chemistry, Thin films, Materials Informatics		Energy Science and Engineering Chemical Science and Engineering
Associate Professor	TAKAO, Toshiro	Organometallic Chemistry, Inorganic Chemistry		Chemical Science and Engineering
Associate Professor	TANAKA, Hiroshi	Synthetic Organic Chemistry, Chemical Biology, Natural Product Chemistry		Chemical Science and Engineering
Associate Professor	TAKAO, Koichiro	Actinide Chemistry, Coordination Chemistry, Nuclear Fuel Cycle, Fuel Reprocessing, Radioactive Wastes, Decontamination		Nuclear Engineering Chemical Science and Engineering
Visiting Professor	TATEYAMA, Yoshitaka	Quantum chemistry calculations, Electrochemistry	Doctoral program only	Chemical Science and Engineering
Professor	IHARA, Manabu	Energy Conversion on Chemical Engineering, Electrochemistry, Fuel Cells, Solar Cells, Energy system		Energy Science and Engineering Chemical Science and Engineering
Professor	OKOCHI, Mina	Biochemical Engineering, Peptide Engineering, Biosensing, Biotechnology, Medical and Biological Engineering		Chemical Science and Engineering Human Centered Science and Biomedical Engineering Earth-Life Science ★
Professor	KATO, Yukitaka	Zero-Carbon Energy Systems, Energy Storage & Conversion, Carbon Recycling Energy Systems, Chemical Heat Pump, Hydrogen Energy		Nuclear Engineering Chemical Science and Engineering
Professor	KUBOUCHI, Masatoshi	Polymeric Materials for Chemical Plant, Epoxy Recycle, Green Composite, Smart Structure, Maintenance Engineering		Chemical Science and Engineering
Professor	SHIMOYAMA, Yusuke	Molecular crystal & assembly, Pharmaceutical・cosmetic formulation, CO2 utlization, Machine-learning, Information & data technology		Chemical Science and Engineering Energy Science and Engineering
Professor	SEKIGUCHI, Hidetoshi	Reactions in High Energy Density Media, Plasma Processing, Energy & Environmental Chemical Engineering		Chemical Science and Engineering Energy Science and Engineering

Professor	TAGO, Teruoki	Chemical Reaction Engineering, Catalytic Reaction Engineering, Catalyst & Environmental Chemical Process, Porous Catalyst		Chemical Science and Engineering Energy Science and Engineering
Specially Appointed Professor	OOKAWARA, Shinichi	Microfluidic Transport Phenomena, CFD (Computational Fluid Dynamics), Microreactor		Chemical Science and Engineering
Associate Professor	AOKI, Saiko	Tribology, Lubricating oil and additives, Surface Engineering, Affective Engineering		Chemical Science and Engineering Energy Science and Engineering
Associate Professor	TANIGUCHI, Izumi	Aerosol Science and Technology, Powder Technology,Functional Material Processing, Energy Materials		Chemical Science and Engineering Energy Science and Engineering
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	FUCHINO, Tetsuo	Process Systems Engineering, Product Management		Chemical Science and Engineering
Associate Professor	MATSUMOTO, Hideyuki	Process Systems Engineering, Process Intensification, Nitrogen Cycle, Process Information, Renewable Energy		Chemical Science and Engineering Energy Science and Engineering
Associate Professor	MANZHOS, Sergei	Materials modeling, machine learning, energy conversion and storage		Energy Science and Engineering Chemical Science and Engineering
Associate Professor	MORI, Shinsuke	Plasma Processing, Heat Transfer		Chemical Science and Engineering Energy Science and Engineering
Associate Professor	YOSHIKAWA, Shiro	Fluid Dynamics, Transport Phenomena		Chemical Science and Engineering
Professor	ANDO, Shinji	Structure and Physical Properties of Functional Polymers in Solids, Polymer Spectroscopy and Characterization, Photofunctional Polymer	Retirement at Mar. 2026	Chemical Science and Engineering
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		Energy Science and Engineering Chemical Science and Engineering
Professor	SERIZAWA, Takeshi	Biomacromolecular Chemistry, Biomaterials Science and Engineering, Molecular Assembly		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
Associate Professor	ISHIGE, Ryohei	Structural analysis of polymers, thin film, synchrotron X-ray, vibrational spectroscopy, liquid crystal		Chemical Science and Engineering
Associate Professor	KONISHI, Gen-ichi	Polymer Synthesis, Photochemistry, Fluorescent Dye, Liquid Crystal, Organic Chemistry		Chemical Science and Engineering
Associate Professor	SAITO, Reiko	Polymer Synthesis, Template Polymerization	Retirement at Mar. 2026	Energy Science and Engineering Chemical Science and Engineering
Associate Professor	SAWADA, Toshiki	Biomacromoleculer Science, Bioorganic Chemisgtry, Biotechnology, Biofunctional Materials		Chemical Science and Engineering
Associate Professor	FURUYA, Hidemine	Structures and Physical Properties of Polymers	Retirement at Mar. 2025	Chemical Science and Engineering
Professor	ARAI, Hajime	Secondary battery, Metal-air battery, Electrochemistry, Operando (In situ) analysis		Energy Science and Engineering Chemical Science and Engineering
Professor	SHISHIDO, Atsushi	Polymer Physical Chemistry, Liquid Crystals, Optical Function, Mechanical Function		Chemical Science and Engineering Energy Science and Engineering

Professor	TOMITA, Ikuyoshi	Polymer Synthetic Chemistry		Energy Science and Engineering Chemical Science and Engineering
Professor	HIRAYAMA, Masaaki	Energy Conversion Materials, Inorganic and Solid State Chemistry, Electrochemical Interface		Energy Science and Engineering Chemical Science and Engineering
Professor	FUKUSHIMA, Takanori	Organic Functional Materials, Nanomaterials, π-Electronic Systems, Molecular Assembly		Chemical Science and Engineering
Professor	YAMAGUCHI, Takeo	Fuel Cell Engineering, Bio-inspired Materials, Membrane Science		Chemical Science and Engineering Energy Science and Engineering
Professor	YAMAMOTO, Kimihisa	Nano-materials Chemistry, Metallochemistry, Macromolecular Science		Chemical Science and Engineering
Professor	YOSHIZAWA, Michito	Supramolecular Chemistry, Synthetic Chemistry, Nanospace, Water, Photofunction, Biosensor		Chemical Science and Engineering
Associate Professor	INAGI, Shinsuke	Organic Electrochemistry, Polymer Chemistry		Energy Science and Engineering Chemical Science and Engineering
Associate Professor	IMAOKA, Takane	π-Conjugating Molecular Chemistry, Electron Transfer Chemistry, Nanomaterial Science		Chemical Science and Engineering
Associate Professor	KITAMURA, Fusao	Electrochemistry, Spectroscopy, In-situ Spectroelectrochemistry		Energy Science and Engineering
Associate Professor	KUBO, Shoichi	Polymer Chemistry, Materials Chemistcy		Chemical Science and Engineering Energy Science and Engineering
Associate Professor	SHOJI, Yoshiaki	Functional π-Conjugated Molecules and Polymers, Highly Reactive Main-Group Species		Chemical Science and Engineering
Associate Professor	TAMAKI, Takanori	Energy Materials, Biomaterials, Bioelectrochemistry		Chemical Science and Engineering Energy Science and Engineering
Associate Professor	TOYODA, Sakae	Environmental Chemistry, Material Cycle Analysis		Chemical Science and Engineering Energy Science and Engineering
Associate Professor	YAMADA, Keita	Organic Geochemistry, Isotope Chemistry		Chemical Science and Engineering Energy Science and Engineering
Associate Professor	YOKOI, Toshiyuki	Catalytic Chemistry, Nanospace Catalysts, Zeolite Science, Green Chemistry		Chemical Science and Engineering
Associate Professor	WADA, Hiroyuki	Optical Materials, Nanoparticles		Energy Science and Engineering Human Centered Science and Biomedical Engineering Chemical Science and Engineering
Associate Professor	NAKAZONO, Kazuko	Polymer synthesis, Supramolecular Chemistry		Energy Science and Engineering Chemical Science and Engineering
Associate Professor	SUZUKI, Kota	Solid State Chemistry, Energy Convertion Materials, Novel Energy Storage Device, and Material Seaerch by Machiene Learning		Energy Science and Engineering Chemical Science and Engineering

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

School of Computing

(12) Dept. of Mathematical and Computing Science

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	ITOH, Toshiya	Complexity Theory, Approximation Algorithms, Online Algorithms		Mathematical and Computing Science
Professor	UMEHARA, Masaaki	Differential Geometry		Mathematical and Computing Science
Professor	ENDO, Toshio	High-Performance Computing, Parallel Software	GSIC	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	SAKAMOTO, Ryuichi	Computer Architecture, System Software, Low Power System, High Performance Computing	GSIC	Mathematical and Computing Science
Associate Professor	SUZUKI, Sakie	Knot Theory, Quantum Topology		Mathematical and Computing Science
Associate Professor (Lecturer)	SUMITA, Hanna	Combinatorial Optimization, Discrete Structure, Algorithms		Mathematical and Computing Science
Associate Professor	TAKABE, Satoshi	Statistical Physics, Signal Processing, Machine Learning, Optimization		Mathematical and Computing Science
Professor	TAKAYASU, Misako	Statistical Physics, Econophysics, Complex Networks	IIR	Artificial Intelligence Mathematical and Computing Science
Professor	TANAKA, Keisuke	Cryprocurrency and Blookchain Technology, Cybersecurity, Theory of Cryptography		Mathematical and Computing Science
Associate Professor (Lecturer)	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	Theory of Partial Differential Equations		Mathematical and Computing Science
Professor	MASUHARA, Hidehiko	Programming Languages, Software Development Environment		Mathematical and Computing Science
Associate Professor	MIURA, Hideyuki	Theory of Partial Differential Equations		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	MUROFUSHI, Toshiaki	Nonadditive Measures, Set Functions, Piecewise Linear Functions, Information Visualization, Formal Concept Analysis		Mathematical and Computing Science Artificial Intelligence
Assistant Professor	MORI, Ryuhei	Quantum Information, Information Theory, Theoretical Computer Science		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	WAKITA, Ken	Information Visualization, Visual Analytics System, user interface, Data Analysis		Mathematical and Computing Science

(13) Dept. of Computer Science

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	KISE, Kenji	Computer Architecture		Computer Science Artificial Intelligence
Professor	KOIKE, Hideki	Human-Computer Interaction, Graphics & Vision		Computer Science Artificial Intelligence
Professor	GONDOW, Katsuhiko	Software Development Environments		Computer Science Artificial Intelligence
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	MIYAZAKI, Jun	Data-centric High Performance Computing, Cloud Computing, Large-scale Information Management		Computer Science Artificial Intelligence
Professor	WATANABE, Takuo	Reflection and Metaprogramming, Concurrency, Programming Languages, Formal Methods		Computer Science Artificial Intelligence
Associate Professor	KANEKO, Haruhiko	Dependable System, Joint Coding Theory		Computer Science Artificial Intelligence
Professor	KOBAYASHI, Takashi	Software Engineering		Computer Science Artificial Intelligence
Associate Professor	HAYASHI, Shinpei	Software engineering		Computer Science Artificial Intelligence
Associate Professor	YOKOTA, Rio	High Performance Computing， Large Scale Deep Learning， Scientific Computing, Scalable Linear Algebra Algorithms		Computer Science Artificial Intelligence
Professor	AKIYAMA, Yutaka	Bioinformatics		Artificial Intelligence Computer Science
Professor	ISHII, Hideaki	Systems and Control, Control Over Networks		Human Centered Science and Biomedical Engineering Artificial Intelligence
Professor	OKAZAKI, Naoaki	Natural Language Processing, Artificial Intelligence, Deep Learning, Social Media Analytics		Artificial Intelligence Computer Science
Professor	SHINODA, Koichi	Statistical Pattern Recognition, Audio and Video Scene Understanding		Artificial Intelligence Computer Science
Professor	TOKUNAGA, Takenobu	Computational Linguistics, Natural Language Processing		Artificial Intelligence Computer Science
Professor	MIYAKE, Yoshihiro	Co-creation System, Communication Science, Self-Organization, Human Interface (VR/AR), Human-Robot Interaction		Artificial Intelligence Computer Science
Professor	MURATA, Tsuyoshi	Artificial Intelligence, Network Science, Machine Learning, Social Network Analysis, Web Mining		Artificial Intelligence Computer Science
Professor	YAMAMURA, Masayuki	DNA Computing, Natural Computing, Systems Biology		Artificial Intelligence Computer Science
Associate Professor	AONISHI, Toru	Computational Neuroscience, Statistical Mechanics		Artificial Intelligence Computer Science
Associate Professor	ISHIDA, Takashi	Data Mining, Bioinformatics		Artificial Intelligence Computer Science
Associate Professor	ONO, Isao	Evolutionary Computation, Optimization		Artificial Intelligence Computer Science
Associate Professor	ONO, Shunsuke	Signal Processing, Image Processing, Mathematical Optimization, Data Science & AI		Artificial Intelligence Computer Science
Associate Professor	KANEZAKI, Asako	Machine Learning, Robotics, Pattern Recognition, Computer Vision, 3D Object Recognition		Artificial Intelligence Computer Science
Associate Professor	SAITO, Suguru	Computer Graphics, Image Processing		Artificial Intelligence Computer Science

Associate Professor	SHIMOSAKA, Masamichi	Machine Intelligence, Machine learning, Pattern recognition, Crowd Sensing, Ubiquitous Computing		Artificial Intelligence Computer Science
Associate Professor	SEKIJIMA, Masakazu	Bioinformatics, Chemoinformatics, Supercomputing		Artificial Intelligence Computer Science
Associate Professor	TAKINOUE, Masahiro	Biophysics, Nonlinear Nonequilibrium Science, Microfluidics, Artificial Cell, Molecular Robotics		Artificial Intelligence Computer Science
Associate Professor	MUROFUSHI, Toshiaki	Non-additive measure theory, Theory of set functions, Theory of piecewise linear functions, Infomation visualization, Formal concept analysis		Artificial Intelligence
Associate Professor	INOUE, Nakamasa	Multimedia Analysis, Video Retrieval, Image Recognition, Speech Recognition, Deep Learning, Artificial Intelligence		Artificial Intelligence Computer Science
Assistant Professor (Tenure Track)	OHUE, Masahito	Bioinformatics, Machine Learning, Chemoinformatics, Supercomputing, Biophysics		Artificial Intelligence Computer Science
Specially Appointed Associate Professor	KAWAKAMI, Rei	Computer Vision, Image Processing, Multimedia Signal Processing, AR/VR/XR, Anomaly Detection		Artificial Intelligence
Specially Appointed Associate Professor	SATO, Ikuro	Pattern Recognition, Machine Learning, Image Sensing, Autonomous Driving		Artificial Intelligence

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
Professor	ICHINOSE, Hiroshi	Neurochemistry, Molecular Biology, Neuroscience		Life Science and Technology Human Centered Science and Biomedical Engineering
Professor	ITOH, Takehiko	Bioinformatics		Life Science and Technology
Professor	IWASAKI, Hiroshi	Molecular Genetics and Molecular Biology		Life Science and Technology
Professor	UENO, Takafumi	Bioinorganic Chemistry, Biophysical Chemistry, Biosupramolecular Chemistry		Life Science and Technology
Professor	OSAKABE, Yuriko	Plant Molecular Biology, Plant Molecular Physiology, Genetic Engineering, Genome Editing		Life Science and Technology
Professor	KAJIWARA, Susumu	Microbial Infection, Immune Response, Biotechnology, Genome Editing		Human Centered Science and Biomedical Engineering Life Science and Technology
Professor	KAMACHI, Toshiaki	Bioinorganic Chemistry, Cellular Imaging of Oxygen		Life Science and Technology Human Centered Science and Biomedical Engineering
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		Life Science and Technology
Professor	KOBATAKE, Eiry	Protein Engineering, Cellular Engineering, Biosensing		Life Science and Technology Human Centered Science and Biomedical Engineering
Professor	KOMADA, Masayuki	Biochemistry and Cell Biology, Growth Factor Signaling, Membrane Trafficking, Tumor Biology		Life Science and Technology
Professor	TAGUCHI, Hideki	Biophysical Chemistry, Protein Folding, Chaperone, Amyloid/Prion,Translation		Life Science and Technology
Professor	TANAKA, Mikiko	Developmental Biology		Life Science and Technology
Professor	TOKUNAGA, Makio	Single Molecule Biology, Nuclear Dynamics, Transcription Regulation, Super-resolution Imaging	Master's Program Only	Life Science and Technology
Professor	HAYASHI, Nobuhiro	Molecular Biology and Proteomics		Life Science and Technology Human Centered Science and Biomedical Engineering
Professor	FUKUI, Toshiaki	Genetic Engineering, Metabolic Engineering, Extremophiles		Life Science and Technology
Professor	HONGOH, Yuichi	Molecular Microbial Ecology, Symbiosis		Life Science and Technology
Professor	MARUYAMA, Atsushi	Biomaterials, Bioconjugates, Biofunctional Polymers , Smart Materials, Drug delivery systems, Biosensing, Nanobioscience	Master's Program Only	Life Science and Technology Human Centered Science and Biomedical Engineering
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		Life Science and Technology Human Centered Science and Biomedical Engineering
Associate Professor	AIZAWA, Yasunori	Cellular Genomics		Life Science and Technology
Associate Professor	OHKUBO, Akihiro	Bioorganic Chemistry		Life Science and Technology Human Centered Science and Biomedical Engineering
Associate Professor	OSADA, Toshiya	Neuroscience	Master's Program Only	Life Science and Technology
Associate Professor	KATO, Akira	Epithelial Transport, Animal Physiology		Life Science and Technology
Associate Professor	KAWAKAMI, Atsushi	Developmental Genetics, Regenerative Biology		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

Associate Professor	SUZUKI, Takashi	Molecular Neurobiology		Life Science and Technology
Professor	SEIO, Kohji	Bioorganic Chemistry		Life Science and Technology Human Centered Science and Biomedical Engineering
Associate Professor	TAGAWA, Yoh-ichi	Developmental Engineering, Molecular Biology, Artificial Organ, Immunology		Life Science and Technology
Associate Professor	TACHIBANA, Kazunori	Chronobiology, oogenesis, sleep,longevity		Life Science and Technology
Associate Professor	TSUTSUMI, Hiroshi	Chemical Biology		Life Science and Technology
Associate Professor	NAKATOGAWA, Hitoshi	Molecular Cell Biology and Biochemistry		Life Science and Technology
Associate Professor	NAKAMURA, Nobuhiro	Molecular Cell Biology		Life Science and Technology
Associate Professor	NIKAIDO, Masato	Molecular Evolutionary Biology		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
Professor	HIROTA, Junji	Molecular Neuroscience		Life Science and Technology
Associate Professor	FUJITA, Naonobu	Cell and Developmental Biology		Life Science and Technology
Associate Professor	HOSHINO, Ayuko	Exosome biology/ cancer/ metastasis/ autism/ molecular biology/ biomarker/ multiple organ interaction/ microenvironment		Life Science and Technology Human Centered Science and Biomedical Engineering
Associate Professor	MASUDA, Shinji	Plant Molecular Biology and Photobiology		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 Human Centered Science and Biomedical Engineering
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 (Lecturer)	ASAKURA, Noriyuki	Bioinorganic Chemistry, Biological Electron Transfer		Life Science and Technology
Associate Professor (Lecturer)	KAJIKAWA, Masaki	Molecular Biology		Life Science and Technology
Associate Professor (Lecturer)	KONDO, Toru	Biophysics, Microspectroscopy, Quantum biology, Biophotophysics, Single-protein spectroscopy, Photosynthesis, Life-earth coevolution		Life Science and Technology Human Centered Science and Biomedical Engineering

Associate Professor	FUJIE, Toshinori	Biomaterials, Polymer Science, Tissue Engineering, Bioelectronics		Life Science and Technology Human Centered Science and Biomedical Engineering
Professor	UEDA, Hiroshi	Bioprocess and Protein Engineering, Antibody Engineering, Analytical Chemistry, Biosensors		Human Centered Science and Biomedical Engineering Life Science and Technology
Professor	KOSHIKAWA, Naohiko	Tumor biology, Tumor diagnostics, Clinical proteomics		Human Centered Science and Biomedical Engineering 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		Human Centered Science and Biomedical Engineering Life Science and Technology
Professor	NAKAMURA, Hiroyuki	Organic Synthesis, Medicinal Chemistry, Chemical Biology		Human Centered Science and Biomedical Engineering Life Science and Technology
Professor	NISHIYAMA, Nobuhiro	Drug Delivery System, Biomaterials Science		Human Centered Science and Biomedical Engineering Life Science and Technology
Associate Professor	OKADA, Satoshi	Molecular imaging, Chemical biology, Nanotechnology		Human Centered Science and Biomedical Engineering Life Science and Technology
Associate Professor	OGURA, Shun-ichiro	Molecular Biology, Alternative Therapy for Tumor, Biometabolic Engineering, Biomarker		Human Centered Science and Biomedical Engineering Life Science and Technology
Associate Professor	ORIHARA, Kanami	Immunology, Allergic diseases, Infectious diseases, Circadian rhythm, Preventive medicine		Human Centered Science and Biomedical Engineering Life Science and Technology
Associate Professor	KITAGUCHI, Tetsuya	Bioimaging, Protein Engineering, Biosensors		Human Centered Science and Biomedical Engineering Life Science and Technology
Associate Professor	MIURA, Yutaka	Polymer synthesis,Drug Delivery System, Biomaterials Science		Human Centered Science and Biomedical Engineering Life Science and Technology
Associate Professor	MIYASHITA, Eizo	Systems Neuroscience		Human Centered Science and Biomedical Engineering Life Science and Technology
Associate Professor	MORI, Toshiaki	Bioorganic Chemistry, Polymer Chemistry		Human Centered Science and Biomedical Engineering Life Science and Technology
Associate Professor	WAKABAYASHI, Ken-ichi	Cell Biology, Cell Motility, Biochemistry		Human Centered Science and Biomedical Engineering Life Science and Technology
Associate Professor	YOSHIDA, Keisuke	Plant Biochemistry, Plant Physiology, Photosynthesis, Environmental Acclimation		Human Centered Science and Biomedical Engineering Life Science and Technology
Assistant Professor	KADONOSONO, Tetsuy	Drug Discovery Science, Medicinal Protein Engineering, Tumor Biology		Human Centered Science and Biomedical Engineering 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	YAMAMURA, Masayuki	Systems Biology, Synthetic Biology, Bioinformatics, DNA Computing, Artificial Life, Symbiotic Ecosystems		Life Science and Technology

Professor	YANAGIDA, Yasuko	Bio-MEMS/NEMS, Biosensing, Biofunctional Engineering		Human Centered Science and Biomedical Engineering
Associate Professor	YAGI, Tohru	Neural Engineering, Human Interface, Vision		Human Centered Science and Biomedical Engineering
Associate Professor	TAKINOUE, Masahiro	Synthetic biology, DNA nanotechnology, Artificial cell engineering, Biophysics		Life Science and Technology

★ 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	OKUYAMA, Shin-ichi	Architectural Design		Architecture and Building Engineering Urban Design and Built Environment
Professor	OSARAGI, Toshihiro	Spatial Analysis and Planning, Disaster Mitigation Planning, Spatial Information Science		Architecture and Building Engineering Urban Design and Built Environment
Professor	KONO, Susumu	Reinforced and prestressed concrete structures, EarthquakeEngineering		Architecture and Building Engineering Urban Design and Built Environment
Professor	SAKATA, Hiroyasu	Concrete Structure, Timber Structure		Architecture and Building Engineering Urban Design and Built Environment
Professor	TAKEUCHI, Toru	Steel Structure, Structural design, Seismic Control		Architecture and Building Engineering
Professor	TSUKAMOTO, Yoshiharu	Architectural Design and Urban Research, Architectural Behaviorology		Architecture and Building Engineering
Professor	YOKOYAMA, Yutaka	Building Materials		Architecture and Building Engineering
Associate Professor	OKI, Takuya	Architectural planning, Spatiotemporal analysis, Big data analysis		Architecture and Building Engineering
Professor	KAGI, Naoki	Environmental Engineering, Building Servises, Indoor Air Quality, Air Cleaning, Wellness, Smart Building		Architecture and Building Engineering
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 Architecture and Building Engineering
Associate Professor	SAIO, Naoko	Architectural Planning Urban and Rural Planning		Architecture and Building Engineering
Associate Professor	SHIOZAKI, Taishin	Architectural Design		Architecture and Building Engineering
Professor	TAMURA, Shuji	Geotechnical Earthquake Engineering		Architecture and Building Engineering
Associate Professor	NISHIMURA, Koshiro	Concrete Structures Earthquake Engineering		Architecture and Building Engineering Urban Design and Built Environment
Associate Professor	HOTTA, Hisato	Composite Structures		Architecture and Building Engineering
Associate Professor	MURATA, Ryo	Architectural Design		Architecture and Building Engineering Engineering Sciences and Design
Associate Professor	YUASA, Kazuhiro	Environmental Engineering, Building Services		Architecture and Building Engineering Engineering Sciences and Design
Professor	FUJII, Haruyuki	Design Science, Architectural Planning and Environmental Design Theories		Engineering Sciences and Design Architecture and Building Engineering

Professor	MATSUOKA, Masashi	Remote Sensing and Geoinformatics for Disaster Management		Urban Design and Built Environment
Professor	YAMANAKA, Hiroaki	Earthquake Engineering Strong Motion Seismology		Urban Design and Built Environment
Associate Professor	ASAWA, Takashi	Urban and Built Environmental Engineering		Urban Design and Built Environment
Associate Professor	OKAZE, Tsubasa	Urban enviromental engineering Snow engineering Disaster resilience for architectural and urban environment		Urban Design and Built Environment
Associate Professor	SATO, Daiki	Structural Engineering, Earthquake Engineering and Wind Enginnering		Urban Design and Built Environment Architecture and Building Engineering
Associate Professor	DOHI, Masato	Community Planning and Design		Urban Design and Built Environment
Associate Professor	NASU, Satoshi	Architectural Design and Theory Public Space and Community Design		Urban Design and Built Environment
Associate Professor	FUJITA, Yasuhito	History of Architecture and Cities		Urban Design and Built Environment
Associate Professor	MANO, Yosuke	Urban Planning		Urban Design and Built Environment
Associate Professor	SANADA, Junko	Rural landscape and develoment		Urban Design and Built Environment
Associate Professor	FURUYA, Hiroshi	Aerospace Engineering, Multidisciplinary Structural Optimization		Urban Design and Built Environment
Associate Professor	MUROMACHI, Yasunori	Transport and the Environment, Travel Behavior		Urban Design and Built Environment

(16) Dept. of Civil and Environmental Engineering

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	HANAOKA, Shinya	Transport Development Studies, Logistics, Air Transport		・Civil Engineering
Professor	HIROSE, Sohichi	Applied Mechanics, Nondestructive Evaluation	Retire in March 2023.	・Civil Engineering
Professor	IWANAMI, Mitsuyasu	Infrastructure Management, Marine Structure Engineering		・Civil Engineering
Professor	KANAE, Shinjiro	Hydrology, Hydrologic Cycle, Water Resources		・Civil Engineering
Professor	KANDA, Manabu	Regional Atmospheric Environment		・Civil Engineering
Professor	KINOUCHI, Tsuyoshi	Watershed Hydrology, Environmental Hydrology		・Civil Engineering
Professor	MATSUOKA, Masashi	Remote Sensing and Geoinformatics for Disaster Management		・Urban Design and Built Environment
Professor	MORIKAWA, Hitoshi	Earthquake Engineering		・Urban Design and Built Environment
Professor	NAKAI, Norihiro	Urban Planning, Urban Policy, Urban Design	Retire in March 2023.	・Urban Design and Built Environment
Professor	SAITO, Ushio	Landscape Planning and Design	Retire in March 2023.	・Urban Design and Built Environment
Professor	TAKAHASHI, Akihiro	Geotechnical Engineering		・Civil Engineering
Professor	YAI, Tetsuo	Transportation Planning	Retire in March 2023.	・Urban Design and Built Environment ・Civil Engineering

Professor	YAMANAKA, Hiroaki	Earthquake Engineering Strong Motion Seismology		・Urban Design and Built Environment
Associate Professor	CHIJIWA, Nobuhiro	Multi-Scale Dynamics of Structural Concrete, Performance Assessment of Deteriorated Structure		・Civil Engineering
Associate Professor	DOHI, Masato	Community Planning and Design		・Urban Design and Built Environment
Associate Professor	FUJII, Manabu	Water and Environmental Engineering, Water Chemistry, Environmental Quantum Chemistry		・Civil Engineering
Associate Professor	MANO, Yosuke	Urban Planning		・Urban Design and Built Environment
Associate Professor	MUROMACHI, Yasunori	Transport and the Environment, Travel Behavior		・Urban Design and Built Environment ・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	SANADA, Junko	Rural Landscape and Development		・Urban Design and Built Environment
Associate Professor	SASAKI, Ei-ichi	Bridge Engineering & Structural Engineering		・Civil Engineering ・Engineering Sciences and Design
Associate Professor	SEO, Toru	Transportation Planning & Engineering		・Civil Engineering ・Urban Design and Built Environment
Associate Professor	TAKEMURA, Jiro	Soil Mechanics & Geo-environmental Engineering	Retire in March 2024.	・Civil Engineering ・Engineering Sciences and Design
Associate Professor	VARQUEZ, Alvin Christopher Galang	Global Urban Climatology, Urban-scale Climate Change, Numerical Weather Prediction, GIS-based Dataset Construction		・Civil Engineering
Associate Professor	WIJEYEWICKREMA, Anil C.	Earthquake Engineering, Structural Engineering, Solid Mechanics	Retire in March 2023.	・Civil Engineering ・Engineering Sciences and Design
Associate Professor	YOSHIMURA, Chihiro	Water Quality Engineering, Aquatic Ecology, Biogeochemistry		・Civil Engineering

(17) Dept. of Transdisciplinary Science and Engineering

Academic Supervisor		Research Field	Remark	Graduate Major
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	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 Energy Science and Engineering
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
Professor	MURAYAMA, Takehiko	Environmental Policy & Planning, Risk Assessment & Management, Risk Communication, Environmental Impact Assessment, Policy Dialogue, Social Decision-Making		Global Engineering for Development, Environment and Society

Associate Professor	AKITA, Daisuke	Aerospace System, High-Speed Aerodynamics		Global Engineering for Development, Environment and Society Energy Science and Engineering
Associate Professor	ABE, Naoya	Environmental and Social Sustainability, Water-Food-Energy insecurity, Applied Economics, International Development		Global Engineering for Development, Environment and Society
Associate Professor	EGASHIRA, Ryuichi	Separation Processes, Bioenergy Production, Biomass Treatment, Water Treatment, Metal Separation, Petroleum Refining, Solvent Extraction, Adsorption		Global Engineering for Development, Environment and Society
Associate Professor	TAKAGI, Hiroshi	Coastal Disaster Mitigation		Global Engineering for Development, Environment and Society
Associate 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
Associate Professor	TOKIMATSU, Koji	Energy Technology, Resource Supply and Demand, Environmental and Resource Economics, Sustainable Development		Global Engineering for Development, Environment and Society Energy Science and Engineering
Associate Professor	NAKAMURA, Takashi A （中村 恭志）	Computational Environmental Fluid Dynamics, Computational Scheme, Multi Physics Simulation		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 and Planning, Public Participation, Environmental Impact Assessment		Global Engineering for Development, Environment and Society
Associate Professor	VARQUEZ, Alvin Chrostppher 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
Associate Professor	AOYAGI, Takahiro	Electromagnetic Compatibility (EMC), Wave Propagation, Educational Technology		Global Engineering for Development, Environment and Society
Associate Professor	YOSHIMURA, Chihiro	Water Quality Engineering, Aquatic Ecology, Biogeochemistry		Global Engineering for Development, Environment and Society
Professor	OBARA, Toru	Reactor Physics, Nuclear Reactor Design, Passive Safe Reactor, Nuclear Safety		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
Associate Professor	KATABUCHI, Tatsuya	Neutron Science, Nuclear Physics, Nuclear Transmutation, Neutron Capture Therapy, Radiation Measurement		Nuclear Engineering
Associate Professor	SAGARA, Hiroshi	Nuclear Safety, Security and Non-proliferation (3S), Reactor Design for High-level-waste Transmutation Non-destructive Assay Technology		Nuclear Engineering
Associate Professor	TSUTSUI, Hiroaki	Plasma Physics and Nuclear Fusion, Superconducting Magnetic Energy Storage System		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	MATSUMOTO, Yoshihisa	Radiation Biology, Molecular Biology and Biochemistry, Basic Medicine		Nuclear Engineering
Professor	IKEGAMI, Masako	Science, Technology & Security, Nuclear Security, Nuclear Non-Proliferation, Arms Control & Disarmament, Advanced Technology R&D Policy Analysis		Nuclear Engineering
Professor	KATO, Yukitaka	Zero-Carbon Energy Systems, Energy Storage & Conversion, Carbon Recycling Energy Systems, Chemical Heat Pump, Hydrogen Energy		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
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	HARADA, Takuya	Inorganic Materials, Chemical Process Engineering, CO2 Capture & Utilization, Carbon Neutral Cycle		Nuclear Engineering
Professor	SAIJO, Miki	Sociolinguistics, Communication Design, Scientific Literacy, Diffusion of Innovation		Engineering Sciences and Design
Professor	SAITO, Shigeki	Engineering Design, Smart Materials, Micromechanics, Micro Robotics		Engineering Sciences and Design
Associate Professor	INABA, Kazuaki	Mechanical Engineering, Solid and Structure Engineering, Engineering Design		Engineering Sciences and Design
Professor	TAKEDA, Yukio	Mechanical Systems Design		Engineering Sciences and Design
Professor	TSUJIMOTO, Masaharu	Platform Strategy, Ecosystem Strategy, Social System Design		Engineering Sciences and Design
Associate Professor	NAKAMARU,Mayuko	Social simulation, Human behavior and evolution, Mathematical biology, Evolutionary game theory, coupled social-ecological systems model		Engineering Sciences and Design
Associate Professor	YAGI, Tohru	Neural Engineering, Human Interface, Vision		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 Engineering
Professor	CROSS, Jeffrey Scott	Applied/Explainable AI (XAI), Bio-fuels, Catalysts, Ecotoxicology and System Science, Edtech, Renewable Energy Systems & Policy		Energy Science and Engineering Global Engineering for Development, Environment and Society
Professor	GOTO, Mika	Corporate Management, Production Economics, Energy Economics		Energy Science and Engineering

(18) Dept. of Social and Human Sciences

Academic Supevsior		Research Field	Remarks	Graduate major
Professor	INOHARA, Takehiro	Decision making, Social modeling	Doctoral program only	Social and Human Sciences
Professor	SAKUMA, Kunihiro	Exercise physiology, Exercise biochemistry	Doctoral program only	Social and Human Sciences
Professor	SHIRABE, Masashi	Scientometrics, STS	Doctoral program only	Social and Human Sciences
Associate Professor	TAKAHASHI, Masaki	Nutrition/ Exercise Physiology, Chrono-nutrition, Sports Nutrition	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, Hilofumi	Linguistics, Mathematical Lingustics, Language changes, Instruction Management System	Doctoral program only	Social and Human Sciences
Associate Professor	ITO, Asa	Aesthetics	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	KOIZUMI, Yuto	Shakespeare (film adaptation), English language education, Writing center	Doctoral program only	Social and Human Sciences
Associate Professor	SATO, Reiko	Japanese language education, Second Language Acquisition	Doctoral program only	Social and Human Sciences
Associate Professor	SUZUKI, Yuta	Educational Research, Research on Teaching, School Reform, Teacher Education	Doctoral program only	Social and Human Sciences
Associate Professor	NISHIDA, Ryosuke	sociology, public policy	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 (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 and Technology	Doctoral program only	Social and Human Sciences
Associate Professor	Kimura, Daisuke	Applied Linguistics, Conversation/Discourse Analysis, English 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
Professor	YAMAMOTO, Takamits	Intellectual History, Ludology	Doctoral program only	Social and Human Sciences
Professor	MITSUBORI, Koichiro	French Literature, Comparative Literature	Doctoral program only	Social and Human Sciences
Associate Professor	JIBU, Renge	Gender, Business administration, Policy	Doctoral program only	Social and Human Sciences
Associate Professor	Akaba, Sanae	Early childhood education policy in the U.S., race and systemic racism, social emotional learning (SEL)	Doctoral program only	Social and Human Sciences
Associate Professor	Akira Watanabe	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