Tokyo Institute of Technology
International Graduate Program (C)
Commencing in September 2016
Domestic Application

Admission Date: September 23, 2016

Number of Admitted Students:
Several Students in each Department

Type of Programs:
Master's Program, Doctoral Program

Application Period: July 7, 2016 - July 11, 2016

1. General Prospectus

Tokyo Institute of Technology (Hereafter referred to as "Tokyo Tech") launched its International Graduate Program in October 2007 as an opportunity for qualified international students, who may have little or no knowledge of the Japanese language, to enroll in Tokyo Tech's master's or doctoral programs and pursue an advanced degree in Japan.

With a diverse group of academic departments participating in this program, 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.

There is no Japanese language requirement for this program as lectures and seminars are held in English. 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 is effective for the master's and doctoral programs scheduled to begin in September 2016.

1) Master's Program

Students enrolled in the master's degree program are expected to successfully complete their supervised studies within two years. To attain the master's degree, students need to earn a designated number of credits outlined by the department in a predetermined program of study; complete and receive approval of a 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 degree program are expected to successfully complete their supervised study within three years. To attain the doctoral degree, students need to earn a 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.

List of Departments & Programs

School	Department	Master's Program	Doctoral Program
School of Science	Mathematics		○
	Physics	○	○
	Chemistry		○
	Earth and Planetary Sciences		
School of Engineering	Mechanical Engineering	○	○
	Systems and Control Engineering	○	○
	Electrical and Electronic Engineering	○	○
	Information and Communications Engineering	○	○
	Industrial Engineering and Economics	○	○
School of Materials and Chemical Technology	Materials Science and Engineering	○	○
	Chemical Science and Engineering	○	○
School of Computing	Mathematical and Computing Science	○	○
	Computer Science		
School of Life Science and Technology	Life Science and Technology	○	○
School of Environment and Society	Architecture and Building Engineering	○	○
	Civil and Environmental Engineering	○	○
	Transdisciplinary Science and Engineering	○	○
	Social and Human Science		
	Innovation Science		
	Technology and Innovation Management		

The mark "○" in the chart indicates the departmental programs offered to which applicants can apply.

3. Eligibility

Applicants who are living in Japan at the time of application and who satisfy one of the following conditions are eligible to apply.
Japanese citizens who are residing in Japan, satisfy the following conditions and have obtained a degree at universities outside Japan may also apply for this program.

1) Master's Program

(1) Persons who are graduates of a university or college or who will graduate from a university or college on or before September 22, 2016.
(2) Persons who were awarded a bachelor's degree according to Article 104, Paragraph 4 of the School Education Law of Japan (Law 26, 1947) or who are expected to do so on or before September 22, 2016.
(3) Persons who have successfully completed in 16-years education abroad or who are expected to do so on or before September 22, 2016.
(4) Persons who have taken the correspondence course of an overseas educational institution in Japan and completed in total 16-years education or who are expected to do so on or before September 22, 2016.
(5) Persons who have successfully completed an undergraduate course of study or who are expected to do so on or before September 22, 2016, at an educational institution abroad, for a total of 16 years of formal education including 4 years that are assessed in Japan to have been at the university level, and specifically designated by the Minister of Education, Culture, Sports, Science and Technology of Japan(Hereafter referred to as the "Ministry").
(6) Persons who have successfully completed, or who are expected to complete, after the date designated by the Ministry, specialized courses specifically designated by the Minister at a vocational school. The minimum period required for graduation from a vocational school is four years or longer. Other conditions specified by the Minister should have been met.
(7) Persons deemed eligible by the Minister.
(8) Persons who have spent three years or more at a university, or who have successfully completed a 15-year education abroad, or who have completed an undergraduate course of study in an educational institution abroad, for a total of 15 years of formal education, the last 3 years which is assessed in Japan to have been at the university level, and specifically designated by the Minister, and who are recognized by Tokyo Tech as having obtained the designated credits with excellent results.
(9) Persons who are recognized by the relevant School of Tokyo Tech as having equal or higher academic ability than persons who are graduates of a university or college and will be 22 years of age on or before September 22, 2016.
(10) Persons from a foreign country in which the completion of college level education does not require 16 years of formal education, who satisfy the following two conditions, and who are recognized by the relevant School of Tokyo Tech as having academic ability equal to or higher than graduates of a Japanese university.
   a. Persons who have spent one year or more as a research student or research fellow at a university or research institution in Japan or abroad after successfully obtaining a bachelor's degree or who are expected to do so by the end of September 22, 2016.
   b. Persons who will be 22 years of age on or before September 22, 2016.

2) Doctoral Program

(1) Persons who hold a master's or professional degree, or who can be expected to have such a degree by September 22, 2016.
(2) Persons who have received an academic degree equivalent to a master's or professional degree in a country other than Japan, or who can be expected to receive such a degree by September 22, 2016.
(3) Persons who have completed a course of study in Japan under a program of education by correspondence offered by a school in a country other than Japan and who have received an academic degree equivalent to a master's or professional degree or who can be expected to receive such a degree by September 22, 2016.
(4) Persons who have received an academic degree equivalent to a master's or professional degree upon completion in Japan of a course of study that is separately designated for that purpose by the Minister and that is conducted at an educational institution possessing a school for graduate study belonging to the educational system of a country other than Japan, or who can be expected to receive such a degree by September 22, 2016.
(5) Persons who have completed postgraduate programs and received a degree equivalent to a master's degree from United Nations University or those who can be expected to have such a degree by September 22, 2016.
(6) Persons designated by the Minister:
    (a) Persons who have graduated from a university, and have engaged in research for two or more years at a university, research institute, or other such institution, and who have been recognized by the relevant School of Tokyo Tech as possessing academic achievements on an equal or higher level than holders of a master's or professional degree for equivalent research or other such results achieved.
    (b) Persons who have completed 16 years of formal education in a country other than Japan, or who have completed a course of study in Japan under a program of education by correspondence offered by a school abroad and have thereby completed the equivalent of 16 years of education in that country, who have subsequently engaged in research for two or more years at a university, research institute, or other such institution, and who have been recognized by the Tokyo Tech Graduate School as possessing academic achievements on an equal or higher level than holders of a master's or professional degree for equivalent research or other such results achieved.
(7) Persons who have been recognized by the relevant School of Tokyo Tech in respect of their eligibility for admission as possessing academic achievements on an equal or higher level than holders of a master's or professional degree, and who will reach the age of 24 by September 22, 2016.

Individual Assessment of Admission Eligibility is required <u>for applicants who fall under eligibility conditions (8), (9) or (10) for the master's program, or eligibility condition (6) or (7) for the doctoral program</u>. Applicants are requested to submit the Application for Individual Assessment of Admission Eligibility with any other necessary documents to the Admissions Division by 17:00 on May 26, 2016. If sent by post, documents should reach the Admissions Division by May 26, 2016.
Notification of Individual Assessment results will be posted around June 3, 2016.
Applicants who have satisfied the requirements of the Individual Assessment of Admission Eligibility must submit this Notification with the other application documents listed below during the application period.

Note:
1) Applicants who are Japanese citizens should consult the Admissions Division before applying.
2) The admission of applicants expecting to graduate from a university or college will be revoked should the applicant fail to successfully graduate or obtain a master's or professional degree by September 22, 2016.

4. Application Procedures

Prior to submitting the application materials to the Admissions Division, applicants must arrange for a Tokyo Tech faculty member to serve as an academic supervisor. In order to be considered for admissions, applicants must first find an academic supervisor. Applicants are required to communicate directly with their intended academic supervisor at Tokyo Tech and obtain the consent of the desired faculty member to serve in this capacity.
Applicants need to directly contact, via email, the intended academic supervisor from the attached List of Faculties and provide a self-introductory statement and an account of their intentions period of study at Tokyo Tech. Applications will not be considered without the consent of a Tokyo Tech faculty member who would act as academic supervisor.

For further information on faculty members, such as email addresses and contact information, please refer to the "STAR Search" (database of researchers) on the Tokyo Tech homepage. Some academic supervisors may require the submission of additional documents before the stated deadline.

Application Requirements

No.	Required Documents
1	Application Form (attached form) (original, no photocopies)
2	Photograph Card, Admission Card (attached form)
3	Application fee Please use the supplied payment slip to remit 30,000 yen at your post office or bank (no remittance fee will be charged if payments are made at Sumitomo Mitsui Bank). Please paste the post office receipt for your payment (in Japanese, "振替払込受付証明書[お客さま用]furikae-haraikomi-uketsuke-shomeisho[okyakusamayo]") onto the designated section of your application form. If you are a Japanese government (Monbukagakusho) scholarship student, you are not required to pay this fee. In that case, please submit documents to verify your scholarship status. In the event that natural disasters occurred in regions where applicants or those responsible for their financial support reside, subject to the Disaster Relief Act (Law No. 118, 1947), and subject to a determination relating to financial circumstances, applicants may be eligible for exemption from the entrance examination fee. Following cases may be applicable: i) when a house which those responsible for the applicants' financial support reside is completely collapsed, largely collapsed, half collapsed or washed away, or ii) when those responsible for the applicants' financial support are deceased or disappeared. For further information contact the Admissions Division before applying.
4	Official Academic Transcripts from both undergraduate and graduate schools (original or certified copies)
5	Certificate of Graduation or Expected Graduation from both undergraduate and graduate schools (original or certified copies) If the applicant is graduating early or has skipped a grade, please submit an official document or letter issued by the school indicating this fact.
6	Certificate of Residence (juminhyo) or documentation to confirm status of residence and authorized period of stay, such as photocopy of front and back of Resident Card (zairyu card). *However, photocopies of Certificate of Residence are not accepted. For Non-Japanese citizens only.

No.	Required Documents
7	Envelope for mailing Admission Card for Examination (attached form) (Applicant's address, name and postal code should be filled in and **372 yen in stamps affixed**)
*8	Summary of Thesis (about 300 words)
*9	Photocopy of Master's thesis

***For Documents No.*8 & *9: Applies only to doctoral program applicants**

Other Application Requirements for Certain Categories of Applicants

No.	Required Documents
1	English Proficiency Test Score Report (original, no photocopies) Applicants are required to submit English proficiency test score reports from TOEFL-iBT, TOEFL-PBT, TOEIC or IELTS Academic Module taken on and after July 12, 2014. The kinds of score reports that may be submitted are TOEFL/Examinee Score Reports (Official Score Report sent directly from ETS to the University cannot be used), the TOEIC/Official Score Certificate, and/or the IELTS Academic Module/Test Report Form. Score reports from the Institutional Testing Program of TOEFL and TOEIC (TOEFL-ITP, TOEIC-ITP, TOEIC-IP) or other proficiency tests not specifically listed above will not be accepted. The above applies to applicants to all departments (excluding Department of Mathematics). (See "English Proficiency Examinations" on pages 10 & 11)
2	Application for Individual Assessment of Admission Eligibility (attached form) with the following Supplemental Documents **1.1) Eligibility (8) for the Master's Program** ・Letter of recommendation from the Dean of home institution (attached form) ・Official academic transcripts ・Certificate of student status ・Regulations concerning the graduation requirements of the relevant university ・Photocopy of Application Form **1.2) Eligibility (9) or (10) for the Master's Program** ・Certificate of enrollment after graduation from university ・Official academic transcripts ・Certificate of Graduation ・Photocopy of Application Form **2) Eligibility (6) or (7) for the Doctoral Program** ・Certificate of Graduation ・Research Achievements (attached form) ・Outline of Research ・Photocopy of academic papers (persons who have presented them) ・Photocopy of Application Form Applies only to applicants who are requesting special admission consideration based on the eligibility conditions (8), (9) or (10) for the master's program or the eligibility conditions (6) or (7) for the doctoral program.

Submission of Application Documents

The completed application documents must reach the Admissions Division during the application period indicated below.

Application Period: July 7, 2016 － July 11, 2016

* exc. 9th.(Sat.) and 10th.(Sun.)

Submission in person at the Counter of the Admissions Division

Application documents must be submitted during the hours of 10:00 - 12:00 and 13:30 - 15:30 on weekdays at the Admissions Division, Tokyo Institute of Technology (Ookayama Campus). Applications will not be accepted at any other time.

Submission by Post

Application documents must be sent by registered express mail. Please write the following on the envelope in red ink: "Application for International Graduate Program." Send to the address below, so as to arrive no later than July 11, 2016.

Mailing Address: Admissions Division
Student Services Department
TOKYO INSTITUTE OF TECHNOLOGY
2-12-1-W8-103 Ookayama, Meguro-ku, Tokyo 152-8550

〒152-8550
東京都目黒区大岡山 2-12-1-W8-103
東京工業大学学務部入試課

Note:

1) **An Admission Card for Examination will be sent by post around August 4, 2016.** If you don't receive this card by August 9, 2016, please contact the Admissions Division（phone number 03-5734-3990, between 9:00 - 12:15 and 13:15 - 17:15 on weekdays).
2) Tokyo Tech will not accept any documents received after the stated deadline or any incomplete applications.
3) Original certificates must be submitted.
4) Submitted documents cannot be changed after completing the application.
5) Submitted documents will not be returned under any circumstances. Please keep a copy of all documents for your own reference.
6) Offers of admission may be withdrawn at any time, even after enrollment, if the application documents are found to be invalid or containing any false information.

5. Admission Decision

Examination period: August 16, 2016 - August 22, 2016

Applicants will be informed of the date, time and place of the examination when the Admission Card for Examination is sent, around August 4, 2016.

Examination Subjects

1) Master's Program

Decisions regarding successful applicants for the master's program are based on the results of an interview and academic records, or are based on the results of examination of English proficiency, written examinations on specialized subjects, an oral examination and academic records. For more information about the examination, please contact the department being applied to.

2) Doctoral Program

Decisions regarding successful applicants for the doctoral program are based on the results of examinations of English proficiency, an interview on the master's thesis (or research achievements), an academic examination and an oral examination.

Examination of English Proficiency

The examination of English proficiency differs among the departments. Applicants should refer to "English Proficiency Examinations" on pages 10 & 11.

It is possible that native English speakers or students who have been awarded an *undergraduate and/or graduate degree* from an institution where all instruction was in English may not be required to submit English proficiency test scores. Such applicants should consult with their intended academic supervisor prior to submission of the application form to verify that they are waived from this application requirement. Whether or not an applicant needs to provide English proficiency test score reports will be determined by the academic supervisor's department. (and not automatically waived).

*Undergraduate and graduate degrees should be equivalent to the Japanese educational definitions of undergraduate, master's and doctoral program degrees.

Announcement of Successful Applicants

Successful applicants will be informed by mail. A pdf version of the list of successful applicants will be also made available on the university website (Admission Update) around 15:00 on September 2, 2016.

6. Admissions Procedures

Admissions Procedures will take place at this university either on September 15, 2016 or September 16, 2016. Details will be provided when documents are issued to the academic supervisors of successful applicants.
Those admitted to the master's and doctoral program will be required to pay the following fees.

Admission Fee	¥282,000 (JPY)
Tuition Fee (yearly)	¥535,800 (JPY)

(The admission and tuition fees are subject to change.)

Teaching or Research Assistantship for Doctoral Program

In an effort to ease the financial burden incurred by doctoral students, Tokyo Tech has established a Teaching and Research Assistantship (TRA) which covers the tuition fees. Doctoral students who have enrolled and paid the aforementioned fees may be eligible to apply for financial aid through a Teaching and Research Assistantship that provide a sum equivalent to their tuition fees.

7. Note

1) Applicants are required to bring the Admission Card for Examination when taking the Examinations.
2) Information in the application document is used only for the entrance examination and business related to the entrance exam.
3) Once the application fee has been paid, it will not be returned for any reason after the application has been received.
4) Information on finding accommodation for applicants is not available from the Admissions Division. (The Co-op at Tokyo Tech may be of service. Please inquire for details on the website of The Co-op at Tokyo Tech http://www.univcoop/titech/ or on phone 03-3728-8023.)
5) Applicants should be aware that the latest information regarding application selection and related matters is made available on the university website.
6) This does not apply to applicants who are scheduled to advance to the doctoral program while presently enrolled in a master's program at this university (candidates for in-house advancement).

English Proficiency Examinations

Appendix Table 1

Foreign Language Examination Requirements, Description of English Language Examination, etc

Department	Foreign Language Examination Required English	Description of English Language Examinations
Department of Mathematics	○	English ability as confirmed in oral examination
Department of Physics	*	* External English Proficiency Test
Department of Chemistry	*	* External English Proficiency Test
Department of Mechanical Engineering	*	* External English Proficiency Test
Department of Systems and Control Engineering	*	* External English Proficiency Test
Department of Electrical and Electronic Engineering	*	* External English Proficiency Test
Department of Information and Communications Engineering	*	* External English Proficiency Test
Department of Industrial Engineering and Economics	*	* External English Proficiency Test
Department of Materials Science and Engineering	*	* External English Proficiency Test
Department of Chemical Science and Engineering	*	* External English Proficiency Test
Department of Mathematical and Computing Science	*	* External English Proficiency Test
Department of Life Science and Technology	*	* External English Proficiency Test
Department of Architecture and Building Engineering	*	* External English Proficiency Test
Department of Civil and Environmental Engineering	*	* External English Proficiency Test
Department of Transdisciplinary Science and Engineering	*	* External English Proficiency Test

Note 1. The○ symbols indicate that a foreign language examination is required.

Appendix Table 2

Departments Utilizing External English Proficiency Tests and their Methods of Use

Department of Physics	Submit score from any one of TOEFL-iBT, TOEFL-PBT, TOEIC, or IELTS for evaluation.
Department of Chemistry	Submit score from any one of TOEFL-iBT, TOEFL-PBT, TOEIC, or IELTS for evaluation.
Department of Mechanical Engineering	Submit score from any one of TOEFL-iBT, TOEFL-PBT, TOEIC, or IELTS for evaluation.
Department of Systems and Control Engineering	Submit score from any one of TOEFL-iBT, TOEFL-PBT, TOEIC, or IELTS for evaluation.
◇ Department of Electrical and Electronic Engineering	Submit score from any one of TOEFL-iBT, TOEFL-PBT, TOEIC, or IELTS for evaluation.
◇ Department of Information and Communications Engineering	Submit score from any one of TOEFL-iBT, TOEFL-PBT, TOEIC, or IELTS for evaluation.
◇ Department of Industrial Engineering and Economics	Submit score from any one of TOEFL-iBT, TOEFL-PBT, TOEIC, or IELTS for evaluation.
Department of Materials Science and Engineering	Submit score from any one of TOEFL-iBT, TOEFL-PBT, TOEIC, or IELTS for evaluation.
Department of Chemical Science and Engineering	Submit score from any one of TOEFL-iBT, TOEFL-PBT, TOEIC, or IELTS for evaluation.
Department of Mathematical and Computing Science	Submit score from any one of TOEFL-iBT, TOEFL-PBT, TOEIC, or IELTS for evaluation.
Department of Life Science and Technology	Submit score from any one of TOEFL-iBT, TOEFL-PBT, TOEIC, or IELTS for evaluation.
Department of Architecture and Building Engineering	Submit score from any one of TOEFL-iBT, TOEFL-PBT, TOEIC, or IELTS for evaluation.
Department of Civil and Environmental Engineering	Submit score from any one of TOEFL-iBT, TOEFL-PBT, TOEIC, or IELTS for evaluation.
Department of Transdisciplinary Science and Engineering	Submit score from any one of TOEFL-iBT, TOEFL-PBT, TOEIC, or IELTS for evaluation.

Note 1. When you are submitting a score sheet, please take care to include the proper score sheet (original) given above with your other application documents.

Note 2. The ◇ symbols indicate that when it is not possible to submit your score sheet at the time of application, applicants must submit it to the intended department by the date of examination.

Note 3. As an exception to the above, applicants for the doctoral program may be able to take an oral examination. Applicants should consult with their intended academic supervisor in advance.

List of Faculties
Tokyo Institute of Technology International Graduate Program (C) 2016

School of Science
(1)Dept. of Mathematics

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	MAJOR
Professor	AKUTAGAWA, Kazuo	Differential geometry, geometric and global analysis		Mathematics
Professor	ENDO, Hisaaki	Topology		Mathematics
Professor	HONDA, Nobuhiro	Complex geometry		Mathematics
Professor	KATO, Fumiharu	Algebraic geometry, Arithmetic geometry		Mathematics
Professor	NAITO, Satoshi	Representation theory		Mathematics
Professor	NINOMIYA, Syoiti	Computational Finance, Mathematical Finance, Probability theory		Mathematics
Professor	NISHIBATA, Shinya	Theory of Partial Differential Equations		Mathematics
Professor	SHIGA, Hiroshige	Complex analysis		Mathematics
Professor	TAGUCHI, Yuichiro	Number theory		Mathematics
Professor	TONEGAWA, Yoshihiro	Partial differential equations, Geometric measure theory		Mathematics
Professor	UMEHARA, Masaaki	Differential Geometry		Mathematics
Professor	YAMADA, Kotaro	Differential geometry		Mathematics
Professor	YANAGIDA, Eiji	Partial differential equations		Mathematics
Associate Professor	HATTORI, Toshiaki	Geometry		Mathematics
Associate Professor	ISOBE, Takeshi	Geometric analysis, Variational problems		Mathematics
Associate Professor	KALMAN, Tamas	Topology		Mathematics
Associate Professor	KAWAHIRA, Tomoki	Complex dynamics, Complex analysis		Mathematics
Associate Professor	KUWADA, Kazumasa	Probability theory, Stochastic analysis		Mathematics
Associate Professor	MA, Shohei	Algebraic geometry		Mathematics
Associate Professor	MIURA, Hideyuki	Theory of Partial differential equations		Mathematics
Associate Professor	MIZUMOTO, Shin-ichiro	Theory of automorphic forms		Mathematics
Associate Professor	SUZUKI, Masatoshi	Analytic Number Theory		Mathematics

Associate Professor	TERASHIMA, Yuji	Differential topology, Mathematical physics, Arithmetic topology		Mathematics

(2)Dept. of Physics

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	MAJOR
Professor	DAS, Bhanu Pratap	Applications of Relativistic Many-Body Theory to Fundamental Problems in Atoms and Molecules		Physics
Professor	FUJISAWA, Toshimasa	Electron dynamics in emiconductor nanostructures		Physics
Professor	HIRAYAMA, Hiroyuki	Surface & Interface Physics		Physics
Professor	ITO, Katsushi	Particle Physics (Theory)		Physics
Professor	IZAWA, Koichi	Unconventional superconductivity, strongly correlated electron systems		Physics
Professor	KAWAI, Nobuyuki	Astrophysics (Experiment)		Physics
Professor	KOZUMA, Mikio	Quantum optics, Laser cooling, Bose Einstein condensation		Physics
Professor	MUNEKATA, Hiro	Condensed Matter Physics (experiment), Spintronics, Photonics, Materials Science		Physics
Professor	MURAKAMI, Shuichi	Theoretical Condensed Matter Physics, spintronics, geometrical phases		Physics
Professor	NAKAMURA, Takashi	Nuclear Physics (Experiment)		Physics
Professor	NISHIMORI, Hidetoshi	Quantum annealing, Statistical physics, Spin glasses		Physics
Professor	OKUMA, Satoshi	Low Temperature Physics, Superconductivity		Physics
Professor	SAITO, Susumu	Theoretical Condensed Matter Physics		Physics
Professor	TANAKA, Hidekazu	Magnetism, quantum spin system, frustrated magnets, low-dimensional magnet		Physics
Professor	YAMAGUCHI, Masahide	Cosmology, particle physics, gravitation (Theory)		Physics
Professor	YOSHINO, Junji	Surface science, semiconductor spintronics		Physics
Adjunct Professor	DOTANI, Tadayasu	X-ray Astronomy (Experiment)	JAXA	Physics
Adjunct Professor	HASHIZUME, Tomihiro	Surface and interface physics, nanoscale materials physics and device applications	HITACHI	Physics
Adjunct Professor	HIGEMOTO, Wataru	Strongly correlated electron systems, Muon science	JAEA	Physics
Adjunct Professor	MATSUHARA, Hideo	Infrared Astronomy (Experiment)	JAXA	Physics
Adjunct Professor	NOTOMI, Masaya	Photonic Nanostructure research	NTT	Physics
Associate Professor	AIKAWA, Kiyotaka	Atomic and molecular physics, Quantum optics, Laser cooling		Physics

Associate Professor	HIRAHARA, Toru	Surface Physics, Nano /spin-Science		Physics
Associate Professor	IMAMURA, Yosuke	Particle Physics (Theory)		Physics
Associate Professor	JINNOUCHI, Osamu	High Energy Particle Physics (Experiment)		Physics
Associate Professor	KANAMORI, Hideto	Cold molecules, High-resolution spectroscopy of molecules		Physics
Associate Professor	KOGA, Akihisa	Strongly correlated electron systems		Physics
Associate Professor	KUZE, Masahiro	Particle Physics (Experiment)		Physics
Associate Professor	MATSUSHITA, Michio	Optical spectroscopy of single proteins		Physics
Associate Professor	NISHIDA, Yusuke	Theoretical Quantum Physics, Ultracold Atoms		Physics
Associate Professor	SASAMOTO, Tomohiro	Statistical physics		Physics
Associate Professor	SOMIYA, Kentaro	Gravitational Wave Detector		Physics
Associate Professor	TAKEUCHI, Kazumasa	Critical phenomena and dynamics of non-equilibrium systems, Liquid-crystal turbulence, Chaos		Physics
Adjunct Associate Professor	HIYAMA, Emiko	Nuclear Physics (Theory)	Riken	Physics

(3)Dept. of Chemistry

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	MAJOR
Professor	EGUCHI, Tadashi	Natural Product Chemistry, Bioorganic Chemistry, Biochemistry		Chemistry
Professor	GOTO, Kei	Organic Chemistry		Chemistry
Professor	ISHITANI, Osamu	Photochemistry, Photocatalyst		・Energy Science and Engineering ・Chemistry
Professor	IWASAWA, Nobuharu	Organic Chemistry		・Chemistry ・Energy Science and Engineering
Professor	KAWAGUCHI, Hiroyuki	Coordination Chemistry		Chemistry
Professor	KAWANO, Masaki	Coordination Chemistry, Chemical Crystallography, Supramolecular Chemistry		Chemistry
Professor	KIGUCHI, Manabu	Surface Chemistry		Chemistry
Professor	KOMATSU, Takayuki	Catalytic Chemistry		Chemistry
Professor	KOSHIHARA, Shinya	Photo-induced Cooperative Phenomena, Optical Properties of Solids		・Energy Science and Engineering ・Chemistry
Professor	KOUCHI, Noriyuki	Physical Chemistry on Elementary Processes		Chemistry
Professor	NOGAMI, Kenji	Geochemistry, Volcanology		Chemistry

Professor	OHSHIMA, Yasuhiro	Physical Chemistry, Laser Science		・Chemistry ・Energy Science and Engineering
Professor	OKADA, Tetsuo	Analytical Chemistry		・Chemistry ・Energy Science and Engineering
Professor	SUZUKI, Keisuke	Organic Chemistry		Chemistry
Professor	TOYOTA, Shinji	Physical Organic Chemistry		Chemistry
Professor	YASHIMA, Masatomo	Materials Science, Crystallography, Solid State Chemistry & Physics, Solid State Ionics, Crystal Structure Analysis, New Inorganic Materials		・Energy Science and Engineering ・Chemistry
Associate Professor	HIBARA, Akihide	Analytical Chemistry		Chemistry
Associate Professor	KAWAI, Akio	Photochemistry, Laser spectroscopy		Chemistry
Associate Professor	KITAJIMA, Masashi	Physical Chemistry		Chemistry
Associate Professor	KUDO, Fumitaka	Bioorganic Chemistry		Chemistry
Associate Professor	MAEDA, Kazuhiko	Inorganic Materials Chemistry, Photocatalysis		・Energy Science and Engineering ・Chemistry
Associate Professor	NISHINO, Tomoaki	Surface Chemistry		Chemistry
Associate Professor	OHMORI, Ken	Organic Chemistry		Chemistry
Associate Professor	OKIMOTO, Yoichi	Optical Spectroscopy of Solids		・Energy Science and Engineering ・Chemistry
Associate Professor	TAKAYA, Jun	Organic Chemistry		Chemistry
Associate Professor	TERADA, Akihiko	Volcanology		Chemistry
Associate Professor	UEKUSA, Hidehiro	Chemical Crystallography, Organic Crystal Chemistry		Chemistry

School of Engineering
(4)Dept. of Mechanical Engineering

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	MAJOR
Professor	AOKI, Takayuki	Multi-phase Flow Simulation, Large-scale Computational Fluid Dynamics, GPU Computing		・Mechanical Engineering ・Energy Science and Engineering
Professor	HANAMURA, Katsunori	Environmental Thermal Engineering		・Energy Science and Engineering ・Mechanical Engineering
Professor	HATSUZAWA , Takeshi	Bio-MEMS/NEMS		・Human Centered Science and Biomedical Engineering ・Mechanical Engineering
Professor	HIRAI, Shuichiro	Global Environment Engineering		・Mechanical Engineering ・Energy Science and Engineering
Professor	HIRATA, Atsushi	Surface Engineering		Mechanical Engineering
Professor	☆HORIE, Mikio	Kinematics of Machinery, Robotics, Design Methodology of Micromachines, MEMS/MOEMS, Micromotionsystems		・Engineering Sciences and Design ・Mechanical Engineering

Professor	☆☆INOU, Norio	Biomechanics		・Human Centered Science and Biomedical Engineering ・Mechanical Engineering
Professor	INOUE, Hirotsugu	Mechanics of Materials, Non-destructive Testing		Mechanical Engineering
Professor	INOUE, Takayoshi	Heat Transfer, Microscale Thermal Engineering, Thermal Management Technologies for Aerospace Engineering		・Mechanical Engineering ・Energy Science and Engineering
Professor	IWATSUKI, Nobuyuki	Human Friendly Systems, Silent Engineering		・Mechanical Engineering ・Engineering Sciences and Design
Professor	KIKUCHI, Masao	Materials Engineering		・Mechanical Engineering ・Engineering Sciences and Design
Professor	☆KISHIMOTO Kikuo	Solids and Structures Engineering		・Engineering Sciences and Design ・Mechanical Engineering
Professor	KOSAKA, Hidenori	Thermodynamics, Fluid Dynamics, Internal Combustion Engine		・Mechanical Engineering ・Energy Science and Engineering
Professor	☆☆KYOGOKU, Keiji	Tribology		・Mechanical Engineering ・Energy Science and Engineering
Professor	MATUNAGA, Saburo	Space Systems Engineering, Space Robotics, Small Satellite Systems		・Engineering Sciences and Design ・Mechanical Engineering
Professor	☆NAKAMURA, Haruo	Fracture Mechanics, Strength of Materials		Mechanical Engineering
Professor	NOZAKI , Tomohiro	Plasma Materials Science, Reaction Engineering, Thermal Engineering		・Energy Science and Engineering ・Mechanical Engineering
Professor	OHTAKE, Naoto	Manufacturing Science and Technology		・Mechanical Engineering ・Engineering Sciences and Design
Professor	OKADA, Masafumi	Robotics, Control Engineering		・Engineering Sciences and Design ・Mechanical Engineering
Professor	OKAMURA, Tetsuji	Cryogenics, Cooling/Refrigeration Technology, Superconducting Magnet Technology		・Mechanical Engineering ・Energy Science and Engineering
Professor	OKUMA, Masaaki	Structural Dynamics, Acoustics, Optimum Design, CAE		・Mechanical Engineering ・Engineering Sciences and Design
Professor	OKUNO, Yoshihiro	Physics and Application of Magnetohydrodynamics, MHD Power Generation, Plasma Science and Engineering		・Energy Science and Engineering ・Mechanical Engineering
Professor	OMATA, Toru	Robotics, Medical Systems		・Human Centered Science and Biomedical Engineering ・Mechanical Engineering
Professor	SATOH, Isao	Energy Applications		・Mechanical Engineering ・Energy Science and Engineering
Professor	SHINNO, Hidenori	Ultraprecision Machining, Machine Tools		・Engineering Sciences and Design ・Mechanical Engineering
Professor	SHINSHI, Tadahiko	Mechanical Systems, Magnetic MEMS, Artificial Heart		・Mechanical Engineering ・Human Centered Science and Biomedical Engineering
Professor	SUEKANE, Tetsuya	CO2 Geological Storage, Enhanced Oil Recovery, Transport in Porous Media		・Energy Science and Engineering ・Mechanical Engineering
Professor	SUZUMORI, Koichi	Robotics, Soft Robotics, Actuator		Mechanical Engineering
Professor	TAKAHARA, Hiroki	Structural Dynamics		Mechanical Engineering
Professor	TAKEDA, Yukio	Mechanical Systems Design		・Mechanical Engineering ・Engineering Sciences and Design

Professor	TANAHASHI, Mamoru	Fluid Dynamics, Heat and Mass Transfer, Combustion		・Energy Science and Engineering ・Mechanical Engineering
Professor	TODOROKI, Akira	Solids and Structures Engineering		Mechanical Engineering
Professor	YAMAURA, Hiroshi	Mechatronics, Dynamics, Control		Mechanical Engineering
Professor	YOSHIDA, Kazuhiro	Fluid Power Micromachines, Microactuators, Functional Fluid Application		・Engineering Sciences and Design ・Mechanical Engineering・Energy Science and Engineering
Professor	YOSHINO, Masahiko	Nano/micro Manufacturing, Metalforming, Machining		Mechanical Engineering
Professor	FUJII, Takashi	High Intensity Laser Physics and Application, Laser Induced Plasma Spectroscopy		・Energy Science and Engineering ・Mechanical Engineering
Professor	KURIYAMA, Toru	Cryogenic Engineering, Cryocooler, Applied Superconductivity (LTS Magnets and HTS Magnets)		Mechanical Engineering
Associate Professor	AKASAKA, Hiroki	Synthesis and Evaluation of Inorganic Carbon Materials		・Mechanical Engineering ・Engineering Sciences and Design
Associate Professor	ENDO, Gen	Robotics, Mechatronics, Mechanism Design		Mechanical Engineering
Associate Professor	FURUYA, Hiroshi	Space Structure Engineering, Structural Analysis and Design, Optimization		・Mechanical Engineering ・Engineering Sciences and Design
Associate Professor	FUSHINOBU, Kazuyoshi	Energy Phenomena, Thermal Engineering		Mechanical Engineering
Associate Professor	HARA, Seiichiro	Surface Metrology, Measurement Information Processing		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	HIJIKATA, Wataru	Mechatronics, Medical Device, Wireless Power Transmission		・Engineering Sciences and Design ・Mechanical Engineering
Associate Professor	☆☆HORIUTI, Kiyosi	Fluid Physics, Turbulence		・Mechanical Engineering ・Energy Science and Engineering
Associate Professor	INABA, Kazuaki	Continuum Mechanics		・Engineering Sciences and Design ・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	KIM, Joon-wan	MEMS, Micro Mechatronics, Bio Mechatronics		・Mechanical Engineering ・Human Centered Science and Biomedical Engineering
Associate Professor	MATSUMURA, Shigeki	Vibration Measurement and Analysis		・Engineering Sciences and Design ・Mechanical Engineering
Associate Professor	MIZUTANI, Yoshihiro	Structural Reliability Engineering		・Mechanical Engineering ・Engineering Sciences and Design
Associate Professor	MOUGENOT, Celine	Design Engineering		・Engineering Sciences and Design ・Mechanical Engineering
Associate Professor	MURAKAMI, Yoichi	Molecular-Scale Energy and Thermal Engineering		・Mechanical Engineering ・Energy Science and Engineering
Associate Professor	NAGASAKI, Takao	Thermal Engineering,Heat and Mass Transfer with Phase Change,Numerical Analysis of Heat and Fluid Flow		・Energy Science and Engineering ・Mechanical Engineering
Associate Professor	NAKANO, Yutaka	Vibration Engineering		Mechanical Engineering

Associate Professor	OKAWA, Seiji	Thermal Science and Engineering		・Energy Science and Engineering ・Mechanical Engineering
Associate Professor	OSHIMA, Shuzo	Fluid Science and Engineering		・Mechanical Engineering ・Energy Science and Engineering
Associate Professor	SAITO, Shigeki	Micromechanics, Micro Robotics, Engineering Design		・Engineering Sciences and Design ・Mechanical Engineering
Associate Professor	SAITO, Takushi	Laser Assisted Manufacturing, Materials Processing		・Mechanical Engineering ・Energy Science and Engineering
Associate Professor	SAKAGUCHI, Motoki	Mechanics and Strength of Materials		Mechanical Engineering
Associate Professor	SAKAMOTO, Hiraku	Space Structures, Dynamics, Numerical Analysis		・Engineering Sciences and Design ・Mechanical Engineering
Associate Professor	SASABE, Takashi	Advanced Energy Engineering		・Mechanical Engineering ・Energy Science and Engineering
Associate Professor	SATO, Chiaki	Adhesion Technology, Composite Materials		・Mechanical Engineering ・Engineering Sciences and Design
Associate Professor	SATO, Kaiji	Precision Mechatronics, Control Engineering, Motion System Design		Mechanical Engineering
Associate Professor	SATO, Susumu	Thermodynamics, Combustion Reaction, Exhaust Emission, Alternative Fuel		・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	SUGAHARA, Yusuke	Mechanical Systems Design		・Mechanical Engineering ・Engineering Sciences and Design
Associate Professor	TADANO, Kotaro	Medical Robots, Man-Machine System		・Human Centered Science and Biomedical Engineering ・Mechanical Engineering
Associate Professor	TAKAYAMA, Toshio	Medical Tool, Mobile Robot, Robotics		・Mechanical Engineering・Human Centered Science and Biomedical Engineering
Associate Professor	TANAKA, Hiroto	Biomimetics, Biomechanics of Animal Flight and Swimming, Flapping-wing Aerial Robotics		Mechanical Engineering
Associate Professor	TANAKA, Shinji	Tribology		・Mechanical Engineering ・Engineering Sciences and Design
Associate Professor	XIAO, Feng	Fluid Dynamics, Computational Fluid Dynamics, Numerical Analysis, Computational Physics		・Mechanical Engineering ・Energy Science and Engineering
Associate Professor	YAGI, Tohru	Neural Engineering, Human Interface, Vision		・Human Centered Science and Biomedical Engineering ・Engineering Sciences and Design
Associate Professor	YAMAMOTO, Takatoki	Bionanotechnology, Micro TAS		・Mechanical Engineering ・Human Centered Science and Biomedical Engineering
Associate Professor	YAMAZAKI, Takahisa	Materials for Space Use, Advanced Joining and Surface Coating		・Mechanical Engineering ・Engineering Sciences and Design
Associate Professor	YANAGIDA, Yasuko	Bio-MEMS/NEMS, Biosensing, Biofunctional Engineering		・Human Centered Science and Biomedical Engineering ・Mechanical Engineering
Associate Professor	YOSHIDA, Takako	Applied Brain Science		・Mechanical Engineering ・Human Centered Science and Biomedical Engineering
Associate Professor	YOSHIOKA, Hayato	Ultraprecision Mechanical System		・Mechanical Engineering ・Engineering Sciences and Design

☆indicates person who will retire in March, 2018.

☆☆indicates person who will retire in March, 2019.

(5)Dept. of Systems and Control Engineering

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	MAJOR
Professor	AMAYA, Kenji	Inverse Problems, Computational Mechanics, Electrochemical Analysis, Optical Analysis		Systems and Control Engineering
Professor	DEGUCHI, Hiroshi	Evolutionary Economics, Agent-Based Modeling		Systems and Control Engineering
Professor	FUJITA, Masayuki	Systems and Control		Systems and Control Engineering
Professor	HACHIYA, Hiroyuki	Ultrasonic Measurements, Acoustic Imaging		Systems and Control Engineering
Professor	IMURA, Jun-ichi	Robot Intelligent Control, Control Theory Hybrid Systems Theory		Systems and Control Engineering
Professor	KOSAKA, Hidenori	Thermodynamics, Fluid Dynamics, Internal Combustion Engine		Systems and Control Engineering
Professor	KURABAYASHI, Daisuke	Biorobotic systems, Distributed systems, Motion planning		・Systems and Control Engineering ・Engineering Sciences and Design
Professor	MIYAKE, Yoshihiro	Co-creation System, Human Communication, Cognitive Science, Self-Organization, Human Interface		Systems and Control Engineering
Professor	＊NAKADAI, Kazuhiro	Robot Audition, Computational Auditory Scene Analysis, Human-Machine Interaction		Systems and Control Engineering
Professor	NAKASHIMA, Motomu	Sports Engineering, Biomechanics, Biorobotics, Musculoskeletal Analysis, Welfare Engineering		Systems and Control Engineering
Professor	OKUTOMI, Masatoshi	Computer Vision, Image Processing		Systems and Control Engineering
Professor	SAMPEI, Mitsuji	Control Theory		・Systems and Control Engineering ・Engineering Sciences and Design
Professor	SASAJIMA, Kazuyuki	Precision Instrumentation, Surface Integrity		Systems and Control Engineering
Professor	YAMAMURA, Masayuki	DNA Computing, Natural Computing, Systems Biology		Systems and Control Engineering
Associate Professor	AONISHI, Toru	Computational Neuroscience, Statistical Mechanics		Systems and Control Engineering
Associate Professor	HARA, Seiichiro	Surface Metrology, Measurement Information Processing		Systems and Control Engineering
Associate Professor	HASEGAWA, Osamu	Pattern based Artificial Intelligence, Artificial Brain (SOINN), Cognitive Robotics		Engineering Sciences and Design
Associate Professor	HATANAKA, Takeshi	Control of network systems		Systems and Control Engineering
Associate Professor	HAYAKAWA, Tomohisa	Control Theory, Dynamical Systems Theory		Systems and Control Engineering
Associate Professor	ISHII, Hideaki	Systems and Control, Control Over Networks		Systems and Control Engineering
Associate Professor	MIYAZAKI, Yusuke	Biomechanics, Injury Preventive Engineering, Digital Human Modeling		Systems and Control Engineering
Associate Professor	NAKAO, Hiroya	Nonlinear Dynamics, Stochastic Processes, Self-organization Phenomena		Systems and Control Engineering
Associate Professor	OHYAMA, Shinji	Measurement Science		Systems and Control Engineering

Associate Professor	ONO, Isao	Evolutionary Computation, Optimization		Systems and Control Engineering
Associate Professor	SATO, Susumu	Thermodynamics, Combustion Reaction, Exhaust Emission, Alternative Fuel		Systems and Control Engineering
Associate Professor	TAKAYASU, Misako	Statistical Physics, Econophysics, Complex Networks		Systems and Control Engineering
Associate Professor	TAKINOUE, Masahiro	Biophysics, Nonlinear nonequilibrium science, Microfluidics, Artificial Cell, Molecular Robotics		Systems and Control Engineering
Associate Professor	TANAKA, Masayuki	Computational photography, Image processing		Systems and Control Engineering
Associate Professor	TSUKAGOSHI, Hideyuki	Search and rescue robot,Fluid powered robot, Medical actuator		Systems and Control Engineering
Associate Professor	YAMAKITA, Masaki	Control Engineering, Robotics		・Systems and Control Engineering ・Engineering Sciences and Design

*indicates person who belongs to Honda Research Institute. Please make contact with the head of the department.

(6)Dept. of Electrical and Electronic Engineering

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	MAJOR
Professor	☆ AKAGI, Hirofumi	Power Electronics, Power Systems		・Energy Science and Engineering ・Electrical and Electronic Engineering
Professor	☆ ANDO, Makoto	Antennas, Millimeter Wave Communication/Sensing Systems, Electromagnetic Wave Theory		Electrical and Electronic Engineering
Professor	ARAI, Shigehisa	Semiconductor Optical Devices, Opto- and Quantum electronics, Optical Communication		Electrical and Electronic Engineering
Professor	ASADA, Masahiro	Semiconductor Nano-Devices, High-Speed Devices, Terahertz Devices		Electrical and Electronic Engineering
Professor	CHIBA, Akira	Drive Electronics, Power Mechatronics, Intelligent Drive		・Electrical and Electronic Engineering ・Energy Science and Engineering
Professor	HATANO, Mutsuko	Applied Physics, Electron Devices, Electronic Materials		・Energy Science and Engineering ・Electrical and Electronic Engineering
Professor	HIROKAWA, Jiro	Antennas, Electromagnetic Wave Theory		Electrical and Electronic Engineering
Professor	☆IWAMOTO, Mitsumasa	Electronic Materials, Molecular Electronics, Organic Materials Electronics		Electrical and Electronic Engineering
Professor	KAJIKAWA, Kotaro	Plasmonics, Metamaterials, Nonlinear Optics		・Human Centered Science and Biomedical Engineering ・Electrical and Electronic Engineering
Professor	KOYAMA, Fumio	Photo Integrated Devices for Optical Communication		Electrical and Electronic Engineering
Professor	MASU, Kazuya	Diverse-Functionality-Integration on CMOS, Swarm Electronics for Cyber Physical System		Electrical and Electronic Engineering
Professor	☆☆ MATSUZAWA, Akira	Integrated Circuits, Mixed Signal LSI Design		Electrical and Electronic Engineering
Professor	MIYAMOTO, Yasuyuki	Semiconductor Process/Devices		Electrical and Electronic Engineering
Professor	MIZUMOTO, Tetsuya	Lightwave Circuits, Integrated Optics		Electrical and Electronic Engineering
Professor	NAKAGAWA, Shigeki	Information Storage Devices, Spintronics, Magnetic Materials		Electrical and Electronic Engineering

Professor	NAKAMOTO, Takamichi	Human interface, Olfactory display, Odor sensing system, Sensor information processing		Electrical and Electronic Engineering
Professor	NAKAMURA, Kentaro	Optical Sensing, Applied Acoustic Devices		・Human Centered Science and Biomedical Engineering ・Electrical and Electronic Engineering
Professor	NANAHARA, Toshiya	Power Systems, Renewable energy		・Electrical and Electronic Engineering ・Energy Science and Engineering
Professor	☆ ODA, Shunri	Quantum Nano Devices, Semiconductor Devices		Electrical and Electronic Engineering
Professor	OGURI, Yoshiyuki	Heavy-Ion-Driven Inertial Fusion, Environmental- and Medical Sciences Based on MeV Ion Beams		Nuclear Engineering
Professor	TSUTSUI, Kazuo	Solid State Electronics		Electrical and Electronic Engineering
Professor	UENOHARA, Hiroyuki	Optical Communications, Photonic Switching, Photonic Integration, Optical Signal Processing		Electrical and Electronic Engineering
Professor	WAKABAYASHI, Hitoshi	Semiconductor Devices, Nano-electronics, LSI		Electrical and Electronic Engineering
Professor	YAMADA, Akira	Semiconductor Physics, Solar Cells, Compound Thin-Film Solar Cells		・Energy Science and Engineering ・Electrical and Electronic Engineering
Professor	YASUOKA, Koichi	Plasma and Pulsed Power Engineering		・Electrical and Electronic Engineering ・Energy Science and Engineering
Adjunct Professor	FUKUDA, Koichi	Semiconductor Device Simulation		Electrical and Electronic Engineering
Adjunct Professor	HISAMOTO, Digh	Semiconductor Process, Semiconductor Devices		・Energy Science and Engineering ・Electrical and Electronic Engineering
Adjunct Professor	☆ ISHIBASHI, Koji	Nanofabrication, Quantum Nanodevices		Electrical and Electronic Engineering
Adjunct Professor	KATOH, Takashi	Organic Electro Photo-functionality Materials		Electrical and Electronic Engineering
Adjunct Professor	WATANABE, Fumio	Mobile Communication Networks, Antenna Engineering		Electrical and Electronic Engineering
Associate Professor	AKATSUKA, Hiroshi	Plasma Diagnostics, Plasma Spectroscopy, Laser Engineering, Atomic and Molecular Processes in Plasmas		Nuclear Engineering
Associate Professor	AOYAGI, Takahiro	Electromagnetic Compatibility (EMC), Wave Propagation		Electrical and Electronic Engineering
Associate Professor	FUJITA, Hideaki	Power Electronics, Electrical Machinery		・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
Associate Professor	IINO, Hiroaki	Organic Electronics, TFT, Imaging Devices		Electrical and Electronic Engineering
Associate Professor	ITO, Haruhiko	Opto-Quantum Electronics		Electrical and Electronic Engineering
Associate Professor	ITO, Hiroyuki	RF Integrated Circuits for Communication, Hardware Technologies for Cyber Physical System		Electrical and Electronic Engineering
Associate Professor	KAKUSHIMA, Kuniyuki	Nanoelectronics and MEMS		Electrical and Electronic Engineering
Associate Professor	KAWANO, Yukio	Nano Electronics and Mechanics, Solid-State Physics and Engineering		Electrical and Electronic Engineering

Associate Professor	KODERA, Tetsuo	Electron Devices, Power Devices, Sensing Devices		・Energy Science and Engineering ・Electrical and Electronic Engineering
Associate Professor	KUROSAWA, Minoru	Electro-mechanical Transducer, Actuators and Sensors, Mechatronics		Electrical and Electronic Engineering
Associate Professor	MANAKA, Takaaki	Organic Devices, Nonlinear Optics		Electrical and Electronic Engineering
Associate Professor	MIYAJIMA, Shinsuke	Semiconductor Materials and Devices, Solar Cells, Thin-Film Solar Cells		・Energy Science and Engineering ・Electrical and Electronic Engineering
Associate Professor	MIYAMOTO, Tomoyuki	Semiconductor Opto-electronic Devices		Electrical and Electronic Engineering
Associate Professor	NISHIKATA, Atsuhiro	Electromagnetic Compatibility (EMC), Material Measurement, Auditory Information		Electrical and Electronic Engineering
Associate Professor	NISHIYAMA, Nobuhiko	Optical Circuits, Semiconductor Optical Devices, Optical Transmission Systems		Electrical and Electronic Engineering
Associate Professor	OHMI, Shun-ichiro	Semiconductor Devices		Electrical and Electronic Engineering
Associate Professor	OKADA, Kenichi	Wireless Circuit Design, Analog Circuit Design		Electrical and Electronic Engineering
Associate Professor	OKINO, Akitoshi	Atmosphere pressure plasma; equipment and applications for medical, environment, and agriculture		・Human Centered Science and Biomedical Engineering ・Electrical and Electronic Engineering
Associate Professor	PHAM, Nam Hai	Semiconductor Spintronic Materials, Magnetic Semiconductors, Spintronic Devices		Electrical and Electronic Engineering
Associate Professor	SAKAGUCHI, Kei	Wireless system engineering, cellular networks		Electrical and Electronic Engineering
Associate Professor	SHOJI, Yuya	Lightwave Circuits, Optical Communication		Electrical and Electronic Engineering
Associate Professor	SUGAHARA, Satoshi	Semiconductor Devices, Spin Devices, Integrated Circuits		Electrical and Electronic Engineering
Associate Professor	SUZUKI, Safumi	Ultra High-Speed Electronic Devices, Terahertz Wireless Communication		Electrical and Electronic Engineering
Associate Professor	TABARU, Marie	Acoustic and Optical Instrumentation, Biomedical Measurement		・Human Centered Science and Biomedical Engineering ・Electrical and Electronic Engineering
Associate Professor	TAKEUCHI, Nozomi	Applications of Plasma on Gas-Liquid Interface, Electrohydrodynamics and its Applications		・Electrical and Electronic Engineering ・Energy Science and Engineering
Associate Professor	WATANABE, Masahiro	Quantum Devices, Hetero-epitaxial Engineering		Electrical and Electronic Engineering

☆indicates person who will retire in March, 2018.

☆☆indicates person who will retire in March, 2019.

(7)Dept. of Information and Communications Engineering

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	MAJOR
Professor	FUKAWA, Kazuhiko	Mobile Communications, Signal Processing, Adaptive Filter Theory		Information and Communications Engineering
Professor	ISSHIKI, Tsuyoshi	System-LSI Design Methodology, Embedded Processor Design		Information and Communications Engineering
Professor	KOBAYASHI, Takao	Speech Signal Processing, Human-Computer Interaction, Digital Signal processing	Doctoral program only	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		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		Information and Communications Engineering
Professor	OGATA, Wakaha	Modern Cryptography, Cryptographic Protocol, Provable Security	Doctoral program only	Information and Communications Engineering
Professor	OHYAMA, Nagaaki	Optical Information Processing, Medical Image Engineering, Imaging Systems		・Information and Communications Engineering ・Human Centered Science and Biomedical Engineering
Professor	OKUMURA, Manabu	Natural Language Processing, Text Summarization, Text Mining, Sentiment Analysis		Information and Communications Engineering
Professor	TAKAGI, Shigetaka	Integrated Circuits, Circuit Theory	Doctoral program only	Information and Communications Engineering
Professor	TAKAHASHI, Atsushi	VLSI CAD, Physical Design, Synchronous Circuits	Doctoral program only	Information and Communications Engineering
Professor	UENO, Shuichi	Theory of Parallel, VLSI and Quantum Computation	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, Optimization Theory, Inverse Problems	Doctoral program only	Information and Communications Engineering
Professor	YAMAGUCHI, Masahiro	Optical Imaging and Display Color Imaging, Holography		・Human Centered Science and Biomedical Engineering ・Information and Communications Engineering
Associate Professor	HARA, Yuko	Hardware/Software Co-design, Reliable Embedded Systems	Doctoral program only	Information and Communications Engineering
Associate Professor	HASEGAWA, Shoichi	Virtual Reality, Human Interface, Dynamic Simulation, Haptics, Entertainment Computing		Information and Communications Engineering
Associate Professor	KANEKO, Hirohiko	Visual Information Processing, Human Space Perception, Sensory and Motor Measurements		・Human Centered Science and Biomedical Engineering ・Information and Communications Engineering
Associate Professor	KASAI, Kenta	Coding Theory, LDPC Codes, Spatially Coupled Codes	Doctoral program only	Information and Communications Engineering
Associate Professor	KUROSAWA, Minoru	Electro-mechanical Transducer, Actuators and Sensors, Mechatronics		Information and Communications Engineering
Associate Professor	MATSUMOTO, Ryutaroh	Quantum Information Theory, Coding Theory	Doctoral program only	Information and Communications Engineering
Associate Professor	OBI, Takashi	Image Reconstruction, Information Security, Social Information System		・Information and Communications Engineering ・Human Centered Science and Biomedical Engineering
Associate Professor	SHINOZAKI, Takahiro	Speech Recognition, Speech Signal Processing, Machine Learning		・Information and Communications Engineering ・Human Centered Science and Biomedical Engineering

Associate Professor	SUGINO, Nobuhiko	Code Optimization Methods for VLIWs and GPGPU, Automatic Parallelizing Compilers, Implementation Techniques of Digital Signal Processing		Information and Communications Engineering
Associate Professor	TABARU, Marie	Acoustic and Optical Instrumentation, Biomedical Measurement		Information and Communications Engineering
Associate Professor	TAKAMURA, Hiroya	Natural Language Processing, Computational Linguistics		Information and Communications Engineering
Associate Professor	YAMAOKA, Katsunori	Information and Communication Network	Doctoral program only	Information and Communications Engineering
Associate Professor	YOSHIMURA, Natsue	Human Interface, Computational Neuroscience		・Human Centered Science and Biomedical Engineering ・Information and Communications Engineering
Adjunct Professor	SATO, Imari	Computer Vision, Computer Graphics, Image-Based Modeling and Rendering	Doctoral program only	Information and Communications Engineering
Adjunct Associate Professor	WATANABE, Junji	Cognitive Psychology, Media Technology	Doctoral program only	Information and Communications Engineering

(8)Dept. of Industrial Engineering and Economics

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	MAJOR
Professor	HIGUCHI, Yoichiro	Socio-Economic Interactions Econometrics		Industrial Engineering and Economics
Professor	IIJIMA, Junichi	Systems Theory, Information Systems		・Engineering Sciences and Design ・Industrial Engineering and Economics
Professor	INOUE, Kotaro	Corporate Finance, Corporate Governance		Industrial Engineering and Economics
Professor	ITOH, Kenji	Ergonomics, Cognitive Engineering, Safety Engineering		Industrial Engineering and Economics
Professor	TANAKA, Yoshitoshi	Intellectual Property		Industrial Engineering and Economics
Professor	MATSUI, Tomomi	Optimization Theory, Combinatorics, Operations Research		Industrial Engineering and Economics
Professor	MIYAKAWA, Masami	Applied Statistics, Quality Control, Reliability		Industrial Engineering and Economics
Professor	MIZUNO, Shinji	Numerical Optimization, Operations Research, Financial Engineering		Industrial Engineering and Economics
Professor	UMEMURO, Hiroyuki	Affect and Emotion, Gerontechnology, Human Factors		・Industrial Engineering and Economics ・Engineering Sciences and Design
Professor	YAMAMURO, Kyoko	History of Japan		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	CHUNG, Sulin	Marketing, Distribution		Industrial Engineering and Economics
Associate Professor	HORI, Takeo	Dynamic Macroeconomics, Economic Growth		Industrial Engineering and Economics
Associate Professor	KAWASAKI, Ryo	Mathematical Economics, Game Theory		Industrial Engineering and Economics

Associate Professor	MATSUSHITA, Yukitoshi	Statistics, Econometrics		Industrial Engineering and Economics
Associate Professor	NAGATA, Kyoko	Accounting Information, M&A		Industrial Engineering and Economics
Associate Professor	NAKATA, Kazuhide	Managerial Mathematics, Operations Research, Financial Engineering		Industrial Engineering and Economics
Associate Professor	OHDOI, Ryoji	Dynamic Macroeconomics		Industrial Engineering and Economics
Associate Professor	SENOO, Dai	Knowledge Management, Leadership		・Industrial Engineering and Economics ・Engineering Sciences and Design
Associate Professor	SHIOURA, Akiyoshi	Discrete Optimization, Operations Research, Design and Analysis of Mathematical Systems		Industrial Engineering and Economics
Associate Professor	SUZUKI, Sadami	Production and Operations Management		Industrial Engineering and Economics
Visiting Professor	MASUI, Toshihiko	Environmental Economic Modeling	Supporting supervisor	Industrial Engineering and Economics
Visiting Associate Professor	KANAMORI, Yuko	Environmental Economic Modeling	Supporting supervisor	Industrial Engineering and Economics

School of Materials and Chemical Technology

(9)Dept. of Materials Science and Engineering

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	MAJOR
Professor	AZUMA, Masaki	Solid State Chemistry		Materials Science and Engineering
Professor	FUJII, Toshiyuki	Crystallography of Microstructures		Materials Science and Engineering
Professor	FUNAKUBO, Hiroshi	Materials Science, Thin Film Devices		Materials Science and Engineering
Professor	HARA, Michikazu	Catalysis, Surface Science		・Materials Science and Engineering ・Energy Science and Engineering
Professor	HOSODA, Hideki	Materials Design, Shape Memory Alloys, Intermetallic Compounds		・Materials Science and Engineering ・Energy Science and Engineering
Professor	HOSONO, Hideo	Electronic Materials, Superconductors, Oxide Semiconductors, Organic LED		Materials Science and Engineering
Professor	ITOH, Mitsuru	Inorganic Solid-State Chemistry		Materials Science and Engineering
Professor	KAJIHARA, Masanori	Thermodynamics and Kinetics of Phase Transformations		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	KIKUTANI, Takeshi	Fiber and Polymer Processing, Physical Properties of Polymers		Materials Science and Engineering
Professor	KITAMOTO, Yoshitaka	Nanoparticles, Magnetic Materials and Devices, Spintronics		・Human Centered Science and Biomedical Engineering ・Materials Science and Engineering
Professor	KOBAYASHI, Yoshinao	Safety Metallurgy for Nuclear Reactors, Phase Stability, Degradation of Materials in Reactors, Waste Management		・Nuclear Engineering ・Materials Science and Engineering

Professor	KUMAI, Shinji	Mechanical Metallurgy, Fatigue, Joining and Solidification		Materials Science and Engineering
Professor	MAJIMA, Yutaka	Nanoscale Electronic Materials, Molecular Devices, Scanning Probe Microscopy		Materials Science and Engineering
Professor	MORI, Takehiko	Physical Chemistry of Organic Materials		・Energy Science and Engineering ・Materials Science and Engineering
Professor	MORIKAWA, Junko	Polymer Processing, Thermal Properties of Polymers		・Human Centered Science and Biomedical Engineering ・Materials Science and Engineering
Professor	NAKAJIMA, Akira	Environmental Ceramics, Surface Functional Materials		Materials Science and Engineering
Professor	NAKAMURA, Yoshio	Applied Diffraction Crystallography, Nano-Structured Materials		Materials Science and Engineering
Professor	NISHIKATA, Atsushi	Metallurgical Electrochemistry, High Temperature Electrochemistry, Corrosion		Materials Science and Engineering
Professor	OBA, Fumiyasu	Computational Design of Electronic and Energy Materials		Materials Science and Engineering
Professor	ONAKA, Susumu	Mechanical Properties of Materials		Materials Science and Engineering
Professor	OUCHI, Yukio	Physical Chemistry of Organic Materials		Materials Science and Engineering
Professor	OUGIZAWA, Toshiaki	Physical Chemistry of Polymeric Materials		Materials Science and Engineering
Professor	SHI, Ji	Physical Properties of Metals, Magnetic Thin Films		・Energy Science and Engineering ・Materials Science and Engineering
Professor	SUSA, Masahiro	Physical Chemistry of Metals, Materials Metrology		・Energy Science and Engineering ・Materials Science and Engineering
Professor	TAKEYAMA, Masao	Physical Metallurgy of Intermetallic and Ferrous Materials, Phase Transformations of Alloys,Deformation in Solid		・Materials Science and Engineering ・Energy Science and Engineering
Professor	TEZUKA, Yasuyuki	Synthetic Polymer Chemistry		Materials Science and Engineering
Professor	TSURUMI, Takaaki	Dielectrics and Energy Storage Capacitors		Materials Science and Engineering
Professor	VACHA, Martin	Optical Properties of Organic Materials		Materials Science and Engineering
Professor	WAKAI, Fumihiro	Mechanical Properties of Ceramic Materials		・Materials Science and Engineering ・Energy Science and Engineering
Professor	YANO, Tetsuji	Inorganic Glasses, Ion-Dynamics and Optical Properties		Materials Science and Engineering
Professor	☆YANO, Toyohiko	Materials for Nuclear Reactors and Waste Management, Neutron Irradiation Damage of Materials, Ceramic Matrix Composites for Severe Environment	Master's program only	Nuclear Engineering
Professor	YOSHIMOTO, Mamoru	Oxide Nano-Engineering, Device, Solar cell		・Energy Science and Engineering ・Materials Science and Engineering
Visiting Professor	ABE, Hideki	Polymer Chemistry		Human Centered Science and Biomedical Engineering
Associate Professor	ASAI, Shigeo	Physical Properties of Organic Materials, Polymer Composites		Materials Science and Engineering
Associate Professor	GOHDA, Yoshihiro	Surface and Interface Physics (Theoretical Calculations)		Materials Science and Engineering

Associate Professor	HAYAKAWA, Teruaki	Polymer Synthesis, Self-Organizing Polymeric Materials		Materials Science and Engineering
Associate Professor	HAYAMIZU, Yuhei	Bio-interface, Nano Materials		Materials Science and Engineering
Associate Professor	HAYASHI, Miyuki	Thermophysical Properties of Materials, High Temperature Process Control		・Energy Science and Engineering ・Materials Science and Engineering
Associate Professor	HAYASHI, Tomohiro	Nanoscience & Nanotechnology, Surface & Interface Science, Scanning Probe Microscopy, Nanophotonics		Human Centered Science and Biomedical Engineering
Associate Professor	HIRAMATSU, Hidenori	Superconducting Materials and Devices		Materials Science and Engineering
Associate Professor	IKOMA, Toshiyuki	Bioceramics, Biosensing, Nanomedicine, Tissue Engineering		・Materials Science and Engineering ・Human Centered Science and Biomedical Engineering
Associate Professor	INAMURA, Tomonari	Shape Memory Alloy, Crystallography of Phase Transformation		・Materials Science and Engineering ・Energy Science and Engineering
Associate Professor	ISHIKAWA, Ken	Optical and Electrical Properties of Organic Materials		Materials Science and Engineering
Associate Professor	KAMATA, Keigo	Catalytic Chemistry, Environment-Friendly Chemical Process		・Materials Science and Engineering ・Energy Science and Engineering
Associate Professor	KAWAMURA, Kenichi	High Temperature Physical Chemistry, Solid State Ionics		Materials Science and Engineering
Associate Professor	KIMURA, Yoshisato	Heat Resistant Alloys and Thermoelectric Materials Design based on Phase Equilibria and Microstructure		・Energy Science and Engineering ・Materials Science and Engineering
Associate Professor	KITANO, Masaaki	Heterogeneous Catalyst, Ammonia Synthesis, Acid Base Catalyst		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	MATSUDA, Akifumi	Atomic-scale Materials Engineering, Materials for Electronics and Energy Applications		・Energy Science and Engineering ・Materials Science and Engineering
Associate Professor	MATSUISHI, Satoru	Synthesis and Characterization of Superconducting and Electro-Active Materials		Materials Science and Engineering
Associate Professor	MATSUMOTO, Hidetoshi	Nano-micro Fabrication, Energy Conversion Materials		・Energy Science and Engineering ・Materials Science and Engineering
Associate Professor	MATSUSHITA, Nobuhiro	Novel Processes for Electronic, Energy and Biomedical Materials		Materials Science and Engineering
Associate Professor	MATSUSHITA, Sachiko	Top-Down and Bottom-Up Fabrication of Nanomaterials, Near-Field Optics		・Materials Science and Engineering ・Energy Science and Engineering
Associate Professor	MICHINOBU, Tsuyoshi	Polymer Synthesis, Semiconducting Polymers		Materials Science and Engineering
Associate Professor	MIYAUCHI, Masahiro	Photo-electrochemistry, Photocatalysis, Chemical Synthesis of Nanoparticles		・Materials Science and Engineering ・Energy Science and Engineering
Associate Professor	MURAISHI, Shinji	Micromechanics, Nanostructured Material, Crystal Defects		Materials Science and Engineering
Associate Professor	NAKADA, Nobuo	Microstructure and Mechanical Properties of Iron and Steels		Materials Science and Engineering

Associate Professor	NAKAMURA, Kazutaka	Laser Spectroscopy		Materials Science and Engineering
Associate Professor	NAKATSUJI, Kan	Surface and Interface Physics		Materials Science and Engineering
Associate Professor	SANNOMIYA, Takumi	Plasmonic Materials, Electron Microscopy		Materials Science and Engineering
Associate Professor	SASAGAWA, Takao	Strongly Correlated Electron Systems		・Materials Science and Engineering ・Energy Science and Engineering
Associate Professor	SHIOYA, Masatoshi	Polymer Composites, Mechanical Properties, Carbon Materials		Materials Science and Engineering
Associate Professor	SONE, Masato	Material Fabrication and Evaluation for IC & MEMS		・Materials Science and Engineering ・Energy Science and Engineering
Associate Professor	TADA, Eiji	Corrosion and Environmental Degradation of Materials		Materials Science and Engineering
Associate Professor	TADA, Tomofumi	Quantum Chemistry for Device Modeling		Materials Science and Engineering
Associate Professor	TAKEDA, Hiroaki	Electroceramics, Crystal Growth of Functional materials		・Materials Science and Engineering ・Human Centered Science and Biomedical Engineering
Associate Professor	TANIYAMA, Tomoyasu	Magnetism in Nanostructures, Spin Electronics, Multiferroics		・Materials Science and Engineering ・Energy Science and Engineering
Associate Professor	TERADA, Yoshihiro	Microstructure Control, Mechanical Properties, Heat-Resistant Materials		Materials Science and Engineering
Associate Professor	TSUGE, Takeharu	Biodegradable Plastics		・Human Centered Science and Biomedical 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
Associate Professor	YASUDA, Kouichi	Engineering Ceramics and Composites, Micromechanics, Fracture Statistics		・Materials Science and Engineering, ・Energy 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 ・Materials Science and Engineering

☆indicates person who will retire in March, 2018.

(10)Dept. of Chemical Science and Engineering

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	MAJOR
Professor	AKITA, Munetaka	Organometallic Chemistry		Chemical Science and Engineering
Professor	ANDO, Shinji	Structure and Physical Properties of Polymeric Functional Materials in Solids		Chemical Science and Engineering
Professor	BABA, Toshihide	Heterogeneous Catalysis, Green Chemistry, Zeolite Synthesis, Bio Chemistry		・Human Centered Science and Biomedical Engineering ・Chemical Science and Engineering
Professor	FUKUSHIMA, Takanori	Organic Functional Materials, Nanomaterials, π-Electronic Systems, Molecular Assembly		Chemical Science and Engineering
Professor	HARA, Masahiko	Materials Chemistry, Self-Assembly, Surface & Interface, Scanning Probe Microscopy, Nanophotonics, Biointerface, Chemical Evolution & Origins of Life	also Affiliated Faculty at Earth-Life Science Institute (Ookayama Campus)	・Chemical Science and Engineering ・Energy Science and Engineering

Professor	IHARA, Manabu	Energy Conversion on Chemical Engineering, Electrochemistry, Fuel Cells, Solar Cells, Energy system		・Chemical Science and Engineering ・Energy Science and Engineering
Professor	ISHIZONE, Takashi	Polymer Synthesis, Living Polymerization		Chemical Science and Engineering
Professor	ITO, Akira	Separation Processes, Membrane separation		・Chemical Science and Engineering ・Energy Science and Engineering
Professor	KANNO, Ryoji	Solid State Electrochemistry, Inorganic Materials Chemistry, Battery, Fuel Cell		・Energy Science and Engineering ・Chemical Science and Engineering
Professor	KATO, Yukitaka	Energy Conversion, Energy Storage, Chemical Heat Pump, Carbon Recycling Energy System, Hydrogen Energy, Nuclear Energy Utilization System		Nuclear Engineering
Professor	KUBOUCHI, Masatoshi	Polymeric Materials for Chemical Plant, Composite Materials, Material Science		Chemical Science and Engineering
Professor	NAKAJIMA, Ken	Polymer Physics, Rubber Industry, Atomic Force Microscopy		Chemical Science and Engineering
Professor	OKOCHI, Mina	Biotechnology, Biochemical Engineering, Peptide Engineering		Chemical Science and Engineering
Professor	OSAKADA, Kohtaro	Synthetic Organic Chemistry, Organometallic Chemistry		Chemical Science and Engineering
Professor	OTSUKA, Hideyuki	Polymer Reactions, Smart Polymeric Materials, Polymer Synthesis		Chemical Science and Engineering
Professor	SEKIGUCHI, Hidetoshi	Plasma Processing, Thermo-chemical Engineering		Chemical Science and Engineering
Professor	SERIZAWA, Takeshi	Biomacromolecular Chemistry, Biomaterials Science and Engineering, Molecular Assembly		Chemical Science and Engineering
Professor	TAGO, Teruoki	Chemical Reaction Engineering, Catalytic Reaction Engineering, Catalyst & Environmental Chemical Process		Chemical Science and Engineering
Professor	TAKATA, Toshikazu	Supramolecular Chemistry, Synthetic Polymer Chemistry		Chemical Science and Engineering
Professor	TOMITA, Ikuyoshi	Polymer Synthetic Chemistry		・Energy Science and Engineering ・Chemical Science and Engineering
Professor	YAMAGUCHI, Takeo	Fuel Cell Engineering, Bio-inspired Materials, Membrane Science		Chemical Science and Engineering
Professor	YAMAMOTO, Kimihisa	Nano-materials Chemistry, Metallochemistry, Macromolecular Science		Chemical Science and Engineering
Professor	YAMANAKA, Ichiro	Electrochemistry, Oxidation Chemistry		・Chemical Science and Engineering ・Energy Science and Engineering
Professor	YOSHIDA, Naohiro	Environmental Chemistry, Isotope Chemistry		・Chemical Science and Engineering ・Energy Science and Engineering
Professor	TANAKA, Ken	Synthetic Organic Chemistry, Asymmetric Synthesis, Organometallic Chemistry		Chemical Science and Engineering
Professor	OHTOMO, Akira	Inorganic Solid State Chemistry, Thin Film, Surface and Interface, Device Physics		・Chemical Science and Engineering ・Materials Science and Engineering
Professor	MIKAMI, Koichi	Synthetic Organic Chemistry, Organofluorine Chemistry, Organometallic Chemistry		Chemical Science and Engineering
Professor	MURAHASHI, Tetsuro	Synthetic Inorganic and Organometallic Chemistry, Coordination Chemistry		Chemical Science and Engineering
Professor	WADA, Yuji	Nano Materials Chemistry, Solar Energy Conversion, Chemical Processes Driven by Microwaves		・Energy Science and Engineering ・Chemical Science and Engineering

Professor	HITOSUGI, Taro	Nanoscience, Solid-state chemistry, Solid-state electrochemistry		・Chemical Science and Engineering ・Materials Science and Engineering
Adjunct Professor	HATANAKA, Shigeto	Petroleum Refining Processes, Heterogeneous Catalysis		・Human Centered Science and Biomedical Engineering ・Chemical Science and Engineering
Adjunct Professor	KASAI, Yasuko	Remoto Sensing, Atmospheric Science for Earth and Planets, Big Data Analysis for Satellite Observation		Chemical Science and Engineering
Adjunct Professor	OHKOUCHI, Naohiko	Organic Geochemistry		Chemical Science and Engineering
Associate Professor	AOKI, Saiko	Tribology, Surface Engineering		・Chemical Science and Engineering ・Energy Science and Engineering
Associate Professor	FUCHINO, Tetsuo	Process Systems Engineering, Product Management		Chemical Science and Engineering
Associate Professor	FURUYA, Hidemine	Structures and Physical Properties of Polymers		Chemical Science and Engineering
Associate Professor	HIRAYAMA, Masaaki	Energy Conversion Materials, Inorganic and Solid State Chemistry, Electrochemical Interface		・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	INAGI, Shinsuke	Organic Electrochemistry, Polymer Chemistry		・Energy Science and Engineering ・Chemical Science and Engineering
Associate Professor	KITAMURA, Fusao	Electrochemistry, Spectroscopy, In-situ Spectroelectrochemistry		Energy Science and Engineering
Associate Professor	KOIZUMI, Take-aki	Organometallic Chemistry, Electrocoordination Chemistry		Chemical Science and Engineering
Associate Professor	KONISHI, Gen-ichi	Polymer Synthesis, Photochemistry		Chemical Science and Engineering
Associate Professor	MORI, Shinsuke	Plasma Processing, Heat Transfer		Chemical Science and Engineering
Associate Professor	MOTOKURA, Ken	Heterogeneous Catalysis, Organic Chemistry		・Human Centered Science and Biomedical Engineering ・Chemical Science and Engineering
Associate Professor	NAGAI, Keiji	Photoenergy Conversion Materials and Engineering, Organophotocatalyst, High Energy Density States		・Energy Science and Engineering ・Chemical Science and Engineering
Associate Professor	NOMURA, Junko	Catalytic Chemistry, Inorganic Synthesis		Chemical Science and Engineering
Associate Professor	OOKAWARA, Shinichi	Microfluidic Transport Phenomena, CFD (Computational Fluid Dynamics), Microreactor		Chemical Science and Engineering
Associate Professor	SAITO, Reiko	Polymer Synthesis, Template Polymerization, Organic-inorganic Composites		・Energy Science and Engineering ・Chemical Science and Engineering
Associate Professor	SEKI, Hiroya	Process Systems Engineering, Process Dynamics and Control		Chemical Science and Engineering
Associate Professor	SHIMOYAMA, Yusuke	Separation Engineering, Supercritical Fluids, Material Process, Separation Process		・Chemical Science and Engineering ・Energy Science and Engineering
Associate Professor	SHISHIDO, Atsushi	Polymer Chemistry, Materials Chemistry		・Energy Science and Engineering ・Chemical Science and Engineering ・Human Centered Science and Biomedical Engineering
Associate Professor	TAKAO, Koichiro	Actinide Chemistry, Coordination Chemistry, Nuclear Fuel Cycle, Fuel Reprocessing, Radioactive Wastes, Decontamination		Nuclear Engineering

Associate Professor	TAKEUCHI, Daisuke	Polymer Chemistry, Organometallic Chemistry		Energy Science and Engineering
Associate Professor	TAMAKI, Takanori	Energy Materials, Biomaterials, Bioelectrochemistry		Chemical 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	TOYODA, Sakae	Environmental Chemistry, Material Cycle Analysis		・Chemical Science and Engineering ・Energy Science and Engineering
Associate Professor	TSUKAHARA, Takehiko	Analytical Chemistry of Radionuclides, Radioactive Waste Management, Nuclear Fuel Cycle, Micro-Nano Chemistry, Functional Nanomaterials		Nuclear Engineering
Associate Professor	WADA, Hiroyuki	Optical Materials, Nanoparticles		・Energy Science and Engineering ・Chemical Science and Engineering
Associate Professor	WAKI, Keiko	Fuel Cell, Lithium battery, Solar Cell		Energy Science and Engineering
Associate Professor	YAMADA, Keita	Organic Geochemistry, Isotope Chemistry		・Chemical Science and Engineering ・Energy Science and Engineering
Associate Professor	YOSHIKAWA, Shiro	Fluid Dynamics, Transport Phenomena		Chemical Science and Engineering
Associate Professor	YOSHIZAWA, Michito	Supramolecular Chemistry, Nanospace Chemistry		Chemical Science and Engineering
Associate Professor	TANAKA, Hiroshi	Synthetic Organic Chemistry, Chemical Biology, Natural Product Chemistry		Chemical Science and Engineering
Associate Professor	OKAMOTO, Masaki	Catalyst Chemistry		Chemical Science and Engineering
Associate Professor	KUWATA, Shigeki,	Coordination Chemistry, Organometallic Chemistry		・Chemical Science and Engineering ・Energy Science and Engineering
Associate Professor	ITO, Shigekazu,	Physical Organic Chemistry, Organic Synthesis		Chemical Science and Engineering
Associate Professor	TAKAO, Toshiro	Organometallic Chemistry, Inorganic Chemistry		Chemical Science and Engineering
Associate Professor	SUZUKI, Eiichi,	Industrial Organic Chemistry, Industrial Physical Chemistry, Catalyst and Chemical		・Energy Science and Engineering ・Chemical Science and Engineering
Adjunct Associate Professor	SAKAMOTO, Yasuharu	Synthetic Organic Chemistry		・Human Centered Science and Biomedical Engineering ・Chemical Science and Engineering

School of Computing

(11)Dept. of Mathematical and Computing Science

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	MAJOR
Associate Professor	ENDO, Toshio	High-Performance Computing, Parallel Software	GSIC	Mathematical and Computing Science
Associate Professor	FUKUDA, Mituhiro	Mathematical Optimization, Continuous Optimization		Mathematical and Computing Science
Professor	ITOH, Toshiya	Complexity Theory, Approximation Algorithms, Online Algorithms		Mathematical and Computing Science
Professor	KABASHIMA, Yoshiyuki	Statistical Mechanics, Information Theory		Mathematical and Computing Science

Associate Professor	KASHIMA, Ryo	Mathematical Logic, Non-Classical Logics		Mathematical and Computing Science
Professor	MASUHARA, Hidehiko	Programming Languages, Software Development Environment		Mathematical and Computing Science
Professor	MATSUOKA, Satoshi	High-Performance Computing, Grid Computing	GSIC	Mathematical and Computing Science
Professor	MINAMIDE, Yasuhiko	Software Verification, Programming Languages		Mathematical and Computing Science
Associate Professor	MIURA, Hideyuki	Theory of Partial Differential Equations		Mathematical and Computing Science
Professor	MIYOSHI, Naoto	Applied Probability, Stochastic Models		Mathematical and Computing Science
Associate Professor	MUROFUSHI, Toshiaki	Set Functions, Piecewise Linear Functions, Information Visualization, Formal Concept Analysis		Artificial Intelligence
Associate Professor	NAKANO, Yumiharu	Probability Theory, Mathematical Finance		Mathematical and Computing Science
Professor	NISHIBATA, Shinya	Theory of Partial Differential Equations		Mathematical and Computing Science
Associate Professor	SHUDO, Kazuyuki	Distributed Systems		Mathematical and Computing Science
Associate Professor	SUZUKI, Taiji	Statistics, Machine Learning		Mathematical and Computing Science
Associate Professor	TAKAYASU, Misako	Statistical Physics, Econophysics, Complex Networks		Artificial Intelligence
Associate Professor	TANAKA, Keisuke	Theory of Cryptography, Theory of Computation		Mathematical and Computing Science
Associate Professor	TERASHIMA, Yuji	Differential Topology, Mathematical Physics, Arithmetic Topology		Mathematical and Computing Science
Professor	UMEHARA, Masaaki	Differential Geometry		Mathematical and Computing Science
Associate Professor	WAKITA, Ken	Social Network Analysis, Information Visualization, Programming Languages		Mathematical and Computing Science
Professor	WATANABE, Osamu	Theory of Computing, Algorithms		Mathematical and Computing Science
Professor	WATANABE, Sumio	Statistical Learning Theory, Mathematical Physics		Mathematical and Computing Science
Associate Professor	YAMASHITA, Makoto	Mathematical Optimization, Continuous Optimization		Mathematical and Computing Science

School of Life Science and Technology

(12)Dept. of Life Science and Technology

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	MAJOR
Professor	FUJII, Masaaki	Physical Chemistry, Laser Spectroscopy, Cluster		・Human Centered Science and Biomedical Engineering ・Life Science and Technology
Professor	FUKUI, Toshiaki	Genetic Engineering, Metabolic Engineering, Extremophiles		Life Science and Technology
Professor	HISABORI, Toru	Bioenergetics, Plant Biochemistry		・Human Centered Science and Biomedical Engineering ・Life Science and Technology

Professor	HONGOH, Yuichi	Molecular Microbial Ecology		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	KAJIWARA, Susumu	Molecular Biology, Biotechnology, Microbial Infection		・Human Centered Science and Biomedical Engineering ・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	KOBATAKE, Eiry	Protein Engineering, Cellular Engineering, Biosensing		・Life Science and Technology ・Human Centered Science and Biomedical Engineering
Professor	KOBAYASHI, Yuichi	Synthetic Organic Chemistry, Synthesis of Biologically Active Compounds, Drug Design		Life Science and Technology
Professor	KOMADA, Masayuki	Medical Cell Biology and Biochemistry		Life Science and Technology
Professor	KONDOH, Shinae	In Vivo Imaging, Cancer Biology, Drug Development		·Human Centered Science and Biomedical Engineering ·Life Science and Technology
Professor	KUME, Shoen	Stem Cell Biology, Regenerative Medicine		Life Science and Technology
Professor	MARUYAMA, Atsushi	Biomaterials, Bioconjugates, Biofunctional Polymers		・Life Science and Technology ・Human Centered Science and Biomedical Engineering
Professor	MIHARA, Hisakazu	Bioorganic Chemistry and Peptide Chemistry		・Life Science and Technology ・Human Centered Science and Biomedical Engineering
Professor	MURAKAMI, Satoshi	Structural Biology, Protein Crystallography		Life Science and Technology
Professor	NAKAMURA, Hiroyuki	Organic Synthesis, Medicinal Chemistry, Chemical Biology		·Human Centered Science and Biomedical Engineering ·Life Science and Technology
Professor	NAKAMURA, Satoshi	Protein Engineering, Genetic Engineering and Directed Evolution		Life Science and Technology
Professor	NISHIYAMA, Nobuhiro	Drug Delivery System, Biomaterials Science		·Human Centered Science and Biomedical Engineering ·Life Science and Technology
Professor	OHTA, Hiroyuki	Plant Molecular Biology		Life Science and Technology
Professor	SAKURAI, Minoru	Biophysical Chemistry, Computational Chemistry		Life Science and Technology
Professor	TAGUCHI, Hideki	Biophysical Chemistry, Protein Folding		Life Science and Technology
Professor	TANAKA, Kan	Evolutional Cell Biology, Cell Cycle, Signal Transduction, Microbiology, Symbiosis, Organelle, Chloroplast, Mitochondria, Transcriptional Regulation, Plant Physiology, Photosynthesis		・Human Centered Science and Biomedical Engineering ・Life Science and Technology
Professor	TANJI, Yasunori	Biochemical Engineering and Environmental Microbiology		Life Science and Technology
Professor	TOKUNAGA, Makio	Single Molecule Biology, Immune Cell Signaling, Molecular Systems Biology		Life Science and Technology

Professor	UEDA, Hiroshi	Bioprocess and Protein Engineering, Antibody Engineering, Analytical Chemistry, Biosensors		・Human Centered Science and Biomedical Engineering ・Life Science and Technology
Professor	UENO, Takafumi	Bioinorganic Chemistry, Biophysical Chemistry, Biosupramolecular Chemistry		Life Science and Technology
Professor	URABE, Hirokazu,	Organic Synthesis, Asymmetric Synthesis		Life Science and Technology
Professor	WACHI, Masaaki	Applied Microbiology		Life Science and Technology
Professor	YAMAGUCHI, Yuki	Control of Gene Expression		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	AKAMA, Hiroyuki	Brain Image Analysis(fMRI) and Machine Learning, Complex Networks, Computational Neurolinguistics		・Human Centered Science and Biomedical Engineering ・Life Science and Technology
Associate Professor	ASAKURA, Noriyuki	Bioinorganic Chemistry, Biological Electron Transfer		Life Science and Technology
Associate Professor	FUSE, Shinichiro	Synthetic Organic Chemistry, Medicinal Chemistry, Natural Product Synthesis, Micro-flow Synthesis		・Life Science and Technology ・Human Centered Science and Biomedical Engineering
Associate Professor	HATA, Takeshi	Organic Synthesis, Asymmetric Synthesis		Life Science and Technology
Associate Professor	HAYASHI, Nobuhiro	Molecular Biology and Proteomics		・Life Science and Technology ・Human Centered Science and Biomedical Engineering
Associate Professor	HIRASAWA, Takashi	Molecular Microbiology and Metabolic Engineering		Life Science and Technology
Associate Professor	HIROTA, Junji,	Molecular Mechanisms of the Development of Olfactory System		Life Science and Technology
Associate Professor	IMAMURA, Sousuke	Molecular Biology, Gene Regulation, Genetic Engineering, Biofuel, Algal Biomass		・Human Centered Science and Biomedical Engineering ・Life Science and Technology
Associate Professor	KAJIKAWA, Masaki	Molecular Biology		Life Science and Technology
Associate Professor	KAMACHI, Toshiaki	Bioinorganic chemistry, Cellular imaging of oxygen		・Life Science and Technology ・Human Centered Science and Biomedical Engineering
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	KOTERA, Masaaki	Chemical Bioinfomatics		Life Science and Technology
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	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	NAKAMURA, Nobuhiro	Molecular Cell Biology		Life Science and Technology
Associate Professor	NAKATOGAWA, Hitoshi	Molecular Biology and Biochemistry		Life Science and Technology
Associate Professor	NIKAIDO, Masato	Molecular Evolutionary Biology		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	OHKUBO, Akihiro	Bioorganic Chemistry		・Life Science and Technology ・Human Centered Science and Biomedical Engineering
Associate Professor	OSADA, Toshiya	Neuroscience		Life Science and Technology
Associate Professor	SEIO, Kohji	Bioorganic Chemistry		・Life Science and Technology ・Human Centered Science and Biomedical Engineering
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
Associate Professor	TACHIBANA, Kazunori	Cell and Developmental Biology		Life Science and Technology
Associate Professor	TAGAWA, Yoh-ichi	Developmental Engineering, Molecular Biology, Artificial Organ, Immunology		Life Science and Technology
Associate Professor	TANAKA, Mikiko	Developmental Biology		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	YAMADA, Takuji	Genome Science and Bioinformatics		Life Science and Technology
Associate Professor	YANAGIDA, Yasuko	Bio-MEMS/NEMS, Biosensing, Biofunctional Engineering		・Human Centered Science and Biomedical Engineering ・Life Science and Technology
Associate Professor	YATSUNAMI, Rie	Metabolic Engineering, Protein Engineering and Genetic Engineering		Life Science and Technology

School of Environment and Society

(13)Dept. of Architecture and Building Engineering

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	MAJOR
Professor	FUJII, Haruyuki	Design Science, Architectural Planning and Environmental Design Theories		・Engineering Sciences and Design ・Architecture and Building Engineering
Professor	☆KASAI, Kazuhiko	Structural Engineering and Earthquake Engineering		・Urban Design and Built Environment ・Architecture and Building Engineering
Professor	KONO, Susumu	Reinforced and prestressed concrete structures, Earthquake Engineering		・Architecture and Building Engineering ・Urban Design and Built Environment

Professor	MIDORIKAWA, Saburoh	Earthquake Engineering and Disaster Management		Urban Design and Built Environment
Professor	☆MIYAMOTO, Fumihito	School Building, Environmental Psychology		Architecture and Building Engineering
Professor	MOTOYUI, Shojiro	Structural Engineering		Urban Design and Built Environment
Professor	NAKAI, Norihiro	Urban Planning, Urban Policy, Urban Design		Urban Design and Built Environment
Professor	OKUYAMA, Shin-ichi	Architectural Design		・Architecture and Building Engineering ・Urban Design and Built Environment
Professor	OSARAGI, Toshihiro	Spatial Analysis and Planning Spatial Information Science		・Architecture and Building Engineering ・Urban Design and Built Environment
Professor	SAITO, Ushio	Landscape Planning and Design		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	TAMURA, Tetsuro	Atmospheric Environmental Turbulence, Wind Engineering, Wind Disaster Mitigation		Urban Design and Built Environment
Professor	☆TOKIMATSU, Kohji	Geotechnical Earthquake Engineering		Architecture and Building Engineering
Professor	TSUKAMOTO, Yoshiharu	Architectural Design and Urban Research		Architecture and Building Engineering
Professor	YAMADA, Satoshi	Structural Engineering, Earthquake Engineering		・Architecture and Building Engineering ・Urban Design and Built Environment
Professor	YAMANAKA, Hiroaki	Environmental and Engineering Geophysics, Strong Motion Seismology		Urban Design and Built Environment
Professor	YASUDA, Koichi	Architectural Design		・Architecture and Building Engineering ・Engineering Sciences and Design
Professor	YOKOYAMA, Yutaka	Building Materials		Architecture and Building Engineering
Associate Professor	ASAWA, Takashi	Urban and Built Environmental Engineering		Urban Design and Built Environment
Associate Professor	DOHI, Masato	Community Planning and Design		Urban Design and Built Environment
Associate Professor	FUJITA, Yasuhito	History of Architecture and Cities		Urban Design and Built Environment
Associate Professor	FURUYA, Hiroshi	Aerospace Engineering, Multidisciplinary Structural Optimization		Urban Design and Built Environment
Associate Professor	HOTTA, Hisato	Composite Structures		Architecture and Building Engineering
Associate Professor	IKARASHI, Kikuo	Steel Structures		Architecture and Building Engineering
Associate Professor	KAGI, Naoki	Environmental Engineering Air Quality		Architecture and Building Engineering

Associate Professor	KANNO, Yoshihiro	Structural Optimization, Mathematical Design, Computational Solid Mechanics		・Architecture and Building Engineering ・Urban Design and Built Environment
Associate Professor	KISHIKI, Shoichi	Base-Isolation and Passive Control Structure, Seismic Retrofit for Existing Buildings, Post-Earthquake Damage Evaluation and Rehabilitation		・Architecture and Building Engineering ・Urban Design and Built Environment
Associate Professor	MANO, Yosuke	Urban Planning		Urban Design and Built Environment
Associate Professor	MATSUOKA, Masashi	Remote Sensing and Geoinformatics for Disaster Management		Urban Design and Built Environment
Associate Professor	MIKAMI, Takamasa	Performance Evaluation of Building Elements Safety Evaluation of Residential Environment		Architecture and Building Engineering
Associate Professor	MURATA, Ryo	Architectural Design		・Architecture and Building Engineering ・Engineering Sciences and Design
Associate Professor	NAKAMURA, Yoshiki	Visual Environment		Urban Design and Built Environment
Associate Professor	NASU, Satoshi	Architectural Design and TheoryPublic Space and Community Design		Urban Design and Built Environment
Associate Professor	SAIO, Naoko	Architectural Planning Urban and Rural Planning		Architecture and Building Engineering
Associate Professor	SATO, Daiki	Structural Engineering and Earthquake Engineering		・Urban Design and Built Environment ・Architecture and Building Engineering
Associate Professor	SOSHIRODA, Akira	Tourism Planning Development Process of Resorts		Urban Design and Built Environment
Associate Professor	TAMURA, Shuji	Geotechnical Earthquake Engineering		Architecture and Building Engineering
Associate Professor	YAMAZAKI, Taisuke	History of Architecture, Architectural Design		Architecture and Building Engineering
Associate Professor	YUASA, Kazuhiro	Environmental Engineering, Building Services		・Architecture and Building Engineering ・Engineering Sciences and Design

☆ indicates person who will retire in March, 2017

(14) Dept. of Civil and Environmental Engineering

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	MAJOR
Professor	ASAKURA, Yasuo	Transportation Planning & Engineering		・Civil Engineering ・Urban Design and Built Environment
Professor	HIROSE, Sohichi	Applied Mechanics Nondestructive Evaluation		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	KITAZUME, Masaki	Soil Mechanics & Geotechnical Engineering		・Engineering Sciences and Design ・Civil Engineering

Professor	MORIKAWA, Hitoshi	Earthquake Engineering		・Urban Design and Built Environment ・Civil Engineering
Professor	NADAOKA, Kazuo	Coastal Ecosystem Conservation Studies, Integrated Coastal Zone Management, Coastal Oceanography and Engineering		Civil Engineering
Professor	NAKAI, Norihiro	Urban Planning, Urban Policy, Urban Design		Urban Design and Built Environment
Professor	NIWA, Junichiro	Mechanics of Structural Concrete Strengthening of Deteriorated Concrete Structures Properties of Fiber Reinforced Concrete		Civil Engineering
Professor	SAITO, Ushio	Landscape Planning and Design		Urban Design and Built Environment
Professor	SAKANO, Tatsuro	Organizational Design, Planning Theory, Public Management		Urban Design and Built Environment
Professor	TAKAHASHI, Akihiro	Geotechnical Engineering		Civil Engineering
Professor	YAI, Tetsuo	Transportation Planning		・Urban Design and Built Environment ・Civil Engineering
Associate Professor	DOHI, Masato	Community Planning and Design		Urban Design and Built Environment
Associate Professor	FUJII, Manabu	Water and Environmental Engineering, Aquatic Chemistry		Civil Engineering
Associate Professor	FUKUDA, Daisuke	Travel Behavior Analysis, Transportation Systems Analysis, Traffic Engineering, Transportation Economics		・Civil Engineering ・Urban Design and Built Environment ・Engineering Sciences and Design
Associate Professor	HANAOKA, Shinya	Transport Planning, Transport Logistics, Transport Project Management		Civil Engineering
Associate Professor	MUROMACHI, Yasunori	Transport and the Environment, Travel Behavior		・Urban Design and Built Environment ・Civil Engineering
Associate Professor	NAKAMURA, Takashi （中村 恭志）	Computational Environmental Fluid Dynamics, Computational Scheme, Multi Physics Simulation		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	SOSHIRODA, Akira	Tourism Planning Development Process of Resorts		Urban Design and Built Environment
Associate Professor	TAKAGI, Hiroshi	Disaster Prevention Engineering, Coastal Engineering		Civil Engineering
Associate Professor	TAKEMURA, Jiro	Soil Mechanics & Geo-environmental Engineering		・Civil Engineering ・Engineering Sciences and Design
Associate Professor	WIJEYEWICKREMA,C. Anil	Earthquake Engineering, Structural Engineering, Solid Mechanics		・Civil Engineering ・Engineering Sciences and Design
Associate Professor	YOSHIMURA, Chihiro	Water Quality Engineering, Aquatic Ecology, Biogeochemistry		Civil Engineering
Associate Professor	NAKAMURA, Takashi （中村 隆志）	Coastal Ecosystem Modeling Biogeochemistry		Civil Engineering

(15)Dept. of Transdisciplinary Science and Engineering

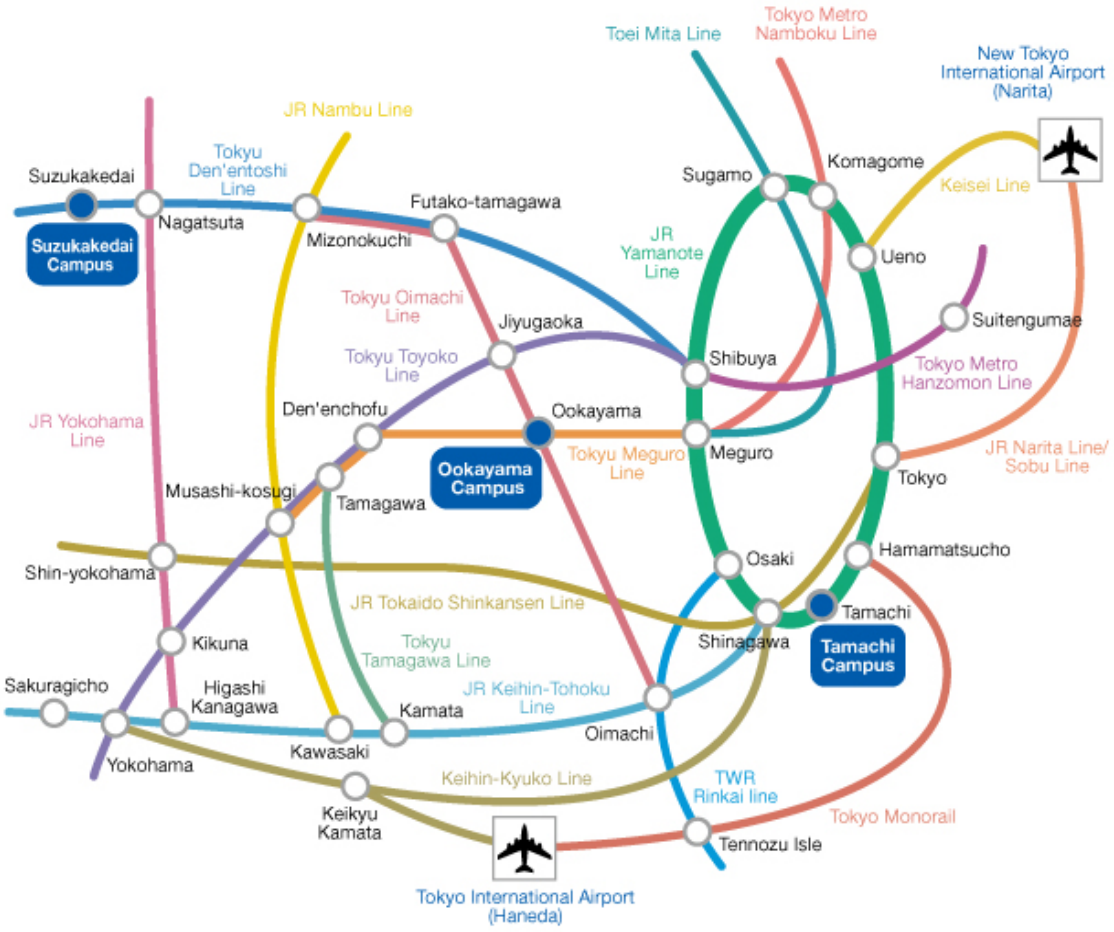
ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	MAJOR
Professor	CHIBA, Satoshi	Nuclear Reactions, Nuclear Decay, Nuclear Data, Radiation Transport, Innovative Nuclear Systems, Medical and Astrophysical Applications		Nuclear Engineering
Professor	CROSS, Jeffrey Scott	Biosensing and Biomass Engineering		・Energy Science and Engineering ・Global Engineering for Development, Environment and Society ・Engineering Sciences and Design
Professor	HINODE, Hirofumi	Inorganic Materials and Properties, Catalyst and Chemical, Process, Chemical Engineering in General		Global Engineering for Development, Environment and Society
Professor	☆IGASHIRA, Masayuki	Neutron Physics, Nuclear Transmutation, Nuclear Physics		Nuclear Engineering
Professor	IIO, Shunji	Plasma Physics, Fusion Engineering, Laser Diagnostics		Nuclear Engineering
Professor	KANDA, Manabu	Regional Atmospheric Environment		Global Engineering for Development, Environment and Society
Professor	KINOUCHI, Tsuyoshi	Watershed Hydrology, Environmental Hydrology		Global Engineering for Development, Environment and Society
Professor	☆☆KISHIMOTO Kikuo	Solids and Structures Engineering		・Engineering Sciences and Design ・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
Professor	NADAOKA, Kazuo	Coastal Ecosystem Conservation Studies, Integrated Coastal Zone Management, Coastal Oceanography and Engineering		Global Engineering for Development, Environment and Society
Professor	NAKASAKI, Kiyohiko	Environmental Bioengineering		Global Engineering for Development Environment and Society
Professor	NOHARA, Kayoko	Translation Studies, Linguistics, Science Communication		・Global Engineering for Development Environment and Society ・Engineering Sciences and Design
Professor	OBARA, Toru	Reactor Physics, Nuclear Reactor Design, Passive Safe Reactor, Nuclear Safety		Nuclear Engineering
Professor	SAIJO, Miki	Sociolinguistics, Communication Design, Scientific Literacy		・Engineering Sciences and Design ・Technology and Innovation Management ・Innovation Science
Professor	TAKADA, Jun-ichi	Wireless Communications, Electromagnetic Wave Theory and Application, ICT and Development		・Global Engineering for Development, Environment and Society ・Engineering Sciences and Design
Professor	TAKAHASHI, Kunio	Mechanical Engineering, Mechanics, Material Science, Material Processing		Global Engineering for Development, Environment and Society
Professor	☆☆TAKAHASHI, Minoru	Light Water Reactor and Fast Reactor Engineering, Thermal Hydraulics, Nuclear Material, Fusion Reactor Blanket, Liquid Metal Engineering		Nuclear Engineering
Professor	TAKESHITA, Kenji	Nuclear Chemical Engineering, Nuclear Fuel Cycle, Fuel Reprocessing, Nuclide Separation (MA, Cs, Sr, Tc, PGM), Isotope Separation, Metal Recycling		・Nuclear Engineering ・Global Engineering for Development, Environment and Society
Professor	YAMAGUCHI, Shinobu	Education and IT, International Development and Cooperation, Sustainable Development of World Cultural Heritage		Global Engineering for Development, Environment and Society

Professor	YOSHIKAWA, Kunio	Thermal Recycling of Wastes, Energy Conversion, Thermal Engineering, Atmospheric Environmental Engineering		Global Engineering for Development, Environment and Society
Associate Professor	ABE, Naoya	Environmental Economics, Policy Studies for the Environment, International Cooperation		Global Engineering for Development, Environment and Society
Associate Professor	AKITA, Daisuke	Aerospace System, High-Speed Aerodynamics		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	HANAOKA, Shinya	Transport Planning, Transport Logistics, Transport Project Management		Global Engineering for Development, Environment and Society
Associate Professor	HAYASHIZAKI, Noriyosu	Accelerator Physics and Engineering, Medical Accelerator, Accelerator Driven Neutron Source, Security of Radioactive Sources		Nuclear Engineering
Associate Professor	HOPE, Tom	Sociology, Human Computer Interaction, Science Communication, Qualitative Research Methods		・Global Engineering for Development, Environment and Society ・Energy Science and Engineering
Associate Professor	INABA, Kazuaki	Mechanical Engineering, Solid and Structure Engineering, Engineering Design		・Engineering Sciences and Design ・Mechanical Engineering
Associate Professor	KATABUCHI, Tatsuya	Neutron Science, Nuclear Physics, Nuclear Transmutation, Neutron Capture Therapy, Radiation Measurement		Nuclear Engineering
Associate Professor	MATSUMOTO, Yoshihisa	Radiation Biology, Molecular Biology and Biochemistry, Basic Medicine		Nuclear Engineering
Associate Professor	NAKAMURA, Takashi (中村 恭志)	Computational Environmental Fluid Dynamics, Computational Scheme, Multi Physics Simulation		Global Engineering for Development, Environment and Society
Associate Professor	NAKAMURA, Takashi (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	SAGARA, Hiroshi	Nuclear Safety, Security and Non-proliferation (3S), Reactor Design for High-level-waste Transmutation Non-destructive Assay Technology		Nuclear Engineering
Associate Professor	SAITO, Shigeki	Engineering Design, Smart Materials, Micromechanics, Micro Robotics		・Engineering Sciences and Design ・Global Engineering for Development, Environment and Society
Associate Professor	SATO, Yuriko	International Education Policy, Development Economics, Policy Evaluation, Immigration Policy		Global Engineering for Development, Environment and Society
Associate Professor	TAKAGI, Hiroshi	Disaster Prevention Engineering, Coastal Engineering		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	TSUTSUI, Hiroaki	Plasma Physics and Nuclear Fusion, Superconducting Magnetic Energy Storage System		Nuclear Engineering
Associate Professor	YAMASHITA, Yukihiko	Computer Science, Intelligent Informatics		Global Engineering for Development, Environment and Society

☆indicates person who will retire in March, 2017.
☆☆indicates person who will retire in March, 2018.

MAP

- **The Ookayama campus** is a one-minute walk from Ookayama Station
- **The Suzukakedai campus** (former Nagatsuta campus) is a 5-minute walk from Suzukakedai Station
- **The Tamachi Campus** is a 2-minute walk from Tamachi Station



May 2016　　Tokyo Institute of Technology

Inquiries Office:

Admissions Division, Student Services Department

Tokyo Institute of Technology

2-12-1-W8-103 Ookayama, Meguro-ku, Tokyo 152-8550

Japan

Tel.　03-5734-3990

Email : ryugakusei@jim.titech.ac.jp

Office Hours 9:00 to 17:15 (except for 12:15 to 13:15).

Website　http://www.titech.ac.jp/english/

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