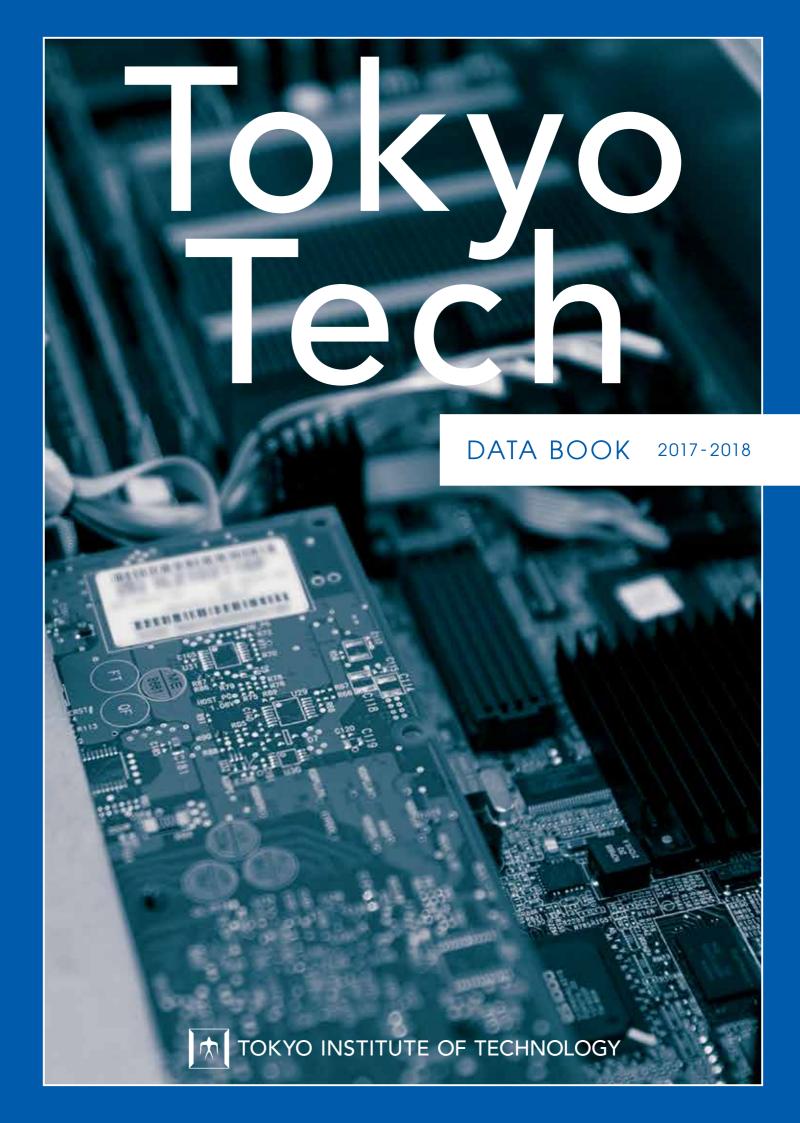


# Tokyo Institute of Technology

Public Relations Section, Office of Public Engagement

2-12-1 Ookayama, Meguro-ku, Tokyo 152-8550 JAPAN tel: +81-3-5734-2975 fax: +81-3-5734-3661



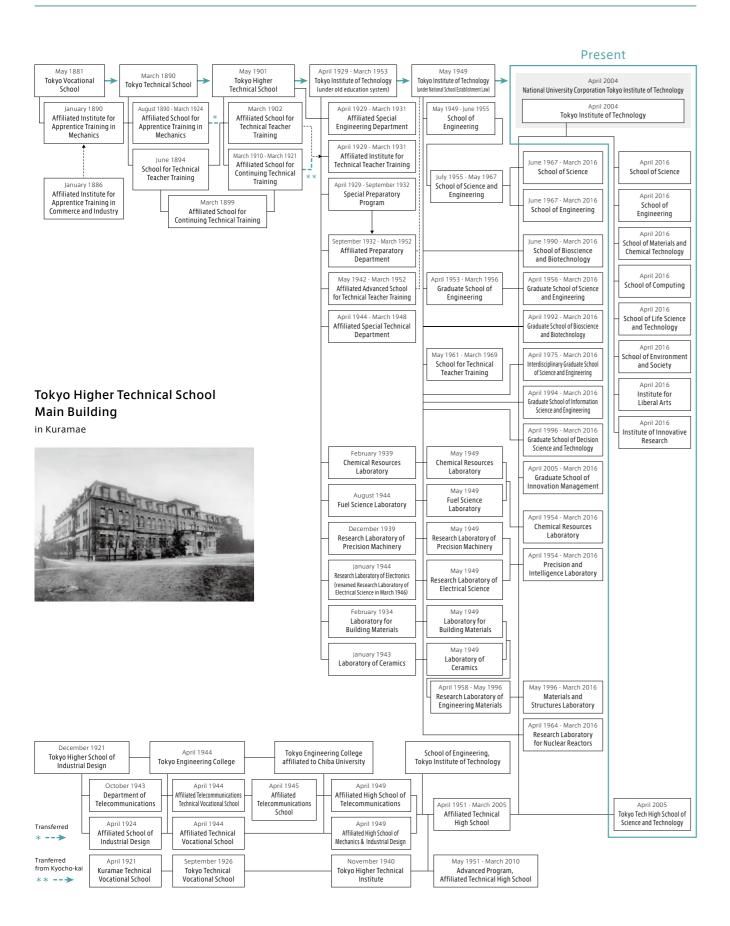


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Tokyo Institute of Technology 03

### From Past to Present



### Events in 2016

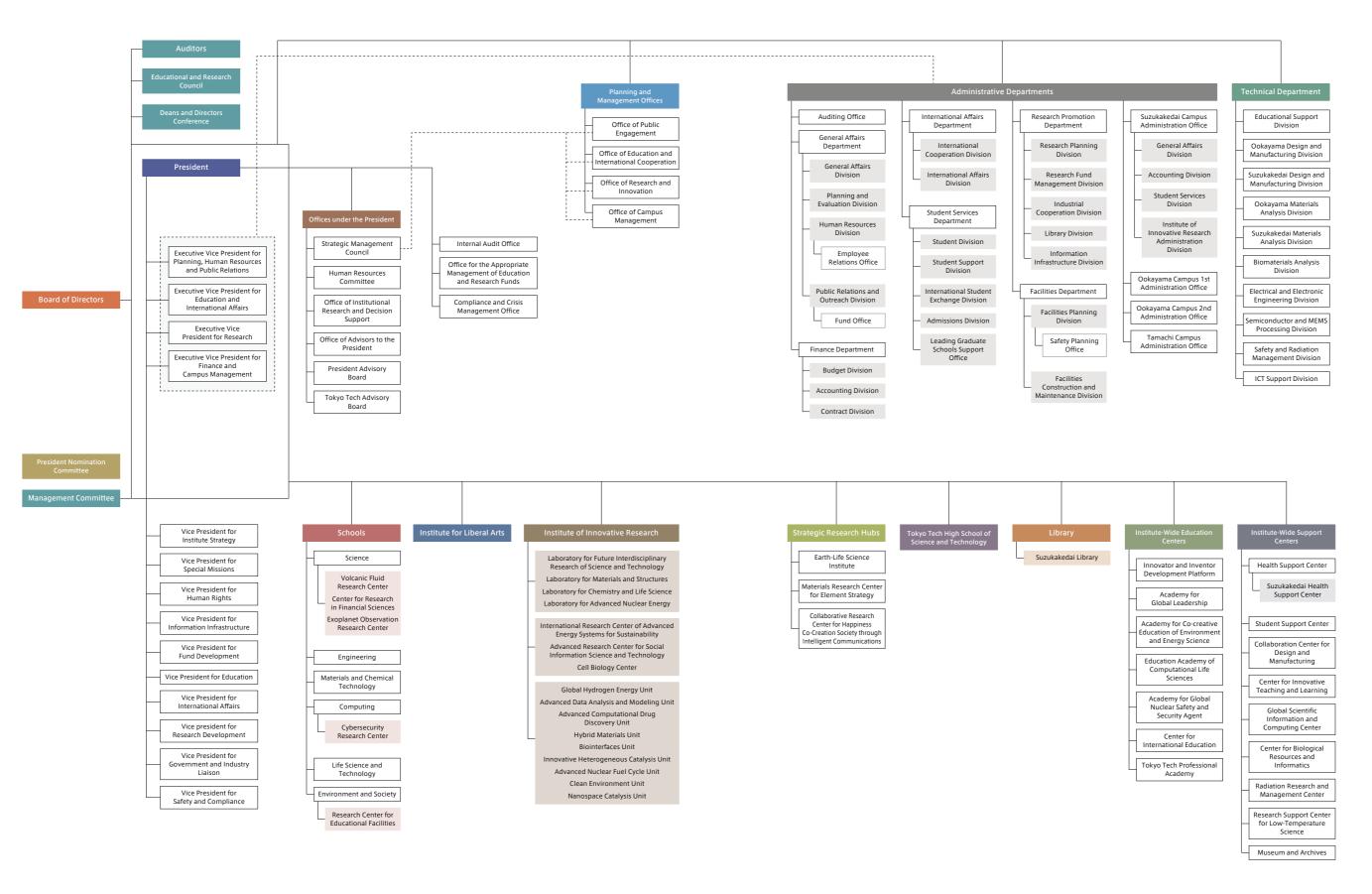
	Date					
Reorganization of education and research organizations including est Innovative Research.		Reorganization of education and research organizations including establishment of six Schools, Institute for Liberal Arts, and Institute of Innovative Research.				
April	April	University Reform Headquarters and Collaborative Organization for International Education and Research reorganized into Office of Institutional Planning.				
		Internal Audit Office renamed.				
	July	Conclusion of operations at Campus Improvement Projects Office.				

### Former Principals and Presidents

Date of Appointment	Name	Date of Appointment	Name
May 1881	Jiro YAMAOKA (Acting Principal)	August 1962	Yoshitoshi OHYAMA
September 1881	Taizo MASAKI	August 1966	Jun-ichi SANEYOSHI
March 1890	Seiichi TEJIMA	August 1968	Tadao SHIBA (Acting President)
February 1898	Teiichi SAKATA	October 1968	Tadao SHIBA
February 1899	Seiichi TEJIMA	May 1969	Mutsumi KATO (Acting President)
May 1901	Seiichi TEJIMA	October 1969	Mutsumi KATO
September 1916	Teiichi SAKATA	October 1973	Masamitsu KAWAKAMI
December 1920	Einoshin YOSHITAKE	October 1977	Shinroku SAITO
June 1926	Kounosuke NAKAMURA	October 1981	Takehiko MATSUDA
April 1929	Kounosuke NAKAMURA	October 1985	Ikuzo TANAKA
March 1942	Hidetsugu YAGI	October 1989	Yasuharu SUEMATSU
December 1944	Magoichirou WATANABE (Acting President)	October 1993	Tsutomu KIMURA
December 1944	Koroku WADA	October 1997	Yoshiyuki NAITO
June 1952	Isamu YAMAMOTO (Acting President)	October 2001	Masuo AlZAWA
August 1952	Shun-ichi UCHIDA	October 2007	Kenichi IGA
August 1958	Toshiyoshi YAMAUCHI	October 2012	Yoshinao MISHIMA

# **Organization Chart**

May 1, 2017



# Organization

## Members of the Board, Committees, and Council

As of May 1, 2017

Name	Title
Name	Board of Directors
Yoshinao MISHIMA	President President
Kiyoshi OKADA	Executive Vice President for Planning, Human Resources and Public Relations
Toshio MARUYAMA	Executive Vice President for Education and International Affairs
Makoto ANDO	Executive Vice President for Research
Masayuki SHIBATA	Executive Vice President for Finance and Campus Management / Secretary-General
Kazumasa ENAMI	Auditor
Mariko MITSUYA	Auditor
	Vice Presidents
Isao SATOH	Vice President for Institute Strategy
Tsuyoshi MARUYAMA Shione KINOSHITA	Vice President for Special Missions Vice President for Human Rights
Tomohiko UYEMATSU	Vice President for Information Infrastructure
Shigeru HIOKI	Vice President for Fund Development
Tetsuya MIZUMOTO	Vice President for Education
Hidetoshi SEKIGUCHI	Vice President for International Affairs
Naoto OHTAKE	Vice President for Research Development
Tetsuo YAI	Vice President for Government and Industry Liaison
Shinji ANDO	Vice President for Safety and Compliance
	Assistants to the Executive Vice Presidents
Kazuo SHINOZAKI	Special Assistant to the Executive Vice President for Education and International Affairs
Tetsuji OKAMURA	Special Assistant to the Executive Vice President for Education and International Affairs
Jun-ichi IMURA	Special Assistant to the Executive Vice President for Education and International Affairs
Michikazu HARA	Assistant to the Executive Vice President for Research
	Office of Advisors to the President
Tsuyoshi MARUYAMA	Director, Office of Advisors to the President
Tetsuya SUEKANE	Advisor to the President
Manabu IHARA	Advisor to the President
Koichi SHINODA	Advisor to the President
	President Advisory Board
Kiyoshi OTANI	Former Executive Vice President
Keiji TANAKA	Director General, Tokyo Metropolitan Institute of Medical Science
Norio MURAKAMI	President, Norio Murakami Office Co., Ltd.
Masakatsu MORI Jun WATANABE	Vice Chairman, International University of Japan / Former Chairman, Accenture Japan Ltd.  Attorney at Law, WATANABE LAW OFFICE
Masayuki SHIBATA	Executive Vice President for Finance and Campus Management / Secretary-General
Isao SATOH	Vice President for Institute Strategy / Professor, School of Engineering
Junichi IIJIMA	Director, Tokyo Tech Professonal Academy / Professor, School of Engineering
,4	Senior Advisor to the President
Yasutaka SHIMIZU	Senior Advisor to the President
	Deans & Directors
Tetsuo OKADA	Dean, School of Science
Nobuyuki IWATSUKI	Dean, School of Engineering
Yuji WADA	Dean, School of Materials and Chemical Technology
Osamu WATANABE	Dean, School of Computing
Hisakazu MIHARA	Dean, School of Life Science and Technology
Kikuo KISHIMOTO	Dean, School of Environment and Society
Noriyuki UEDA	Dean, Institute for Liberal Arts
Kazuya MASU	Director-General, Institute of Innovative Research
Kikuo KISHIMOTO	Dean, Graduate School of Science and Engineering (prior system)
Tetsuo OKADA	Dean, Graduate School of Science (prior system)
Kikuo KISHIMOTO	Dean, Graduate School of Engineering (prior system)
Hisakazu MIHARA Saburoh MIDORIKAWA	Dean, Graduate School of Bioscience and Biotechnology (prior system)  Dean, Interdisciplinary Graduate School of Science and Engineering (prior system)
Osamu WATANABE	Dean, Graduate School of Information Science and Engineering (prior system)
Norihiro NAKAI	Dean, Graduate School of Decision Science and Technology (prior system)
Shuzo FUJIMURA	Dean, Graduate School of Decision Science and Fectinology (phot system)
Tetsuo OKADA	Dean, School of Science (prior system)
Kikuo KISHIMOTO	Dean, School of Engineering (prior system)
Hisakazu MIHARA	Dean, School of Bioscience and Biotechnology (prior system)
Kyoko YAMAMURO	Director, Library
Motoshi SAEKI	Principal, Tokyo Tech High School of Science and Technology
Hidenori KOSAKA	Director, Technical Department
	Administration Bureau
Masayuki SHIBATA	Secretary-General
Hirokazu KUROSAWA	Director, General Affairs Department
Shinji KOSAKA	Director, Finance Department
Toshiaki MIZUNO	Director, International Affairs Department
Yoko HIRAI	Director, Student Services Department
Manufactor OMAMOTO	I Discotes December December December 1

Hiroki MAEDA

Fusao KAWAMURA

Director, Facilities Department

Director, Suzukakedai Campus Administration Office

Name	Title
	Management Committee
Yoshinao MISHIMA	President
Kiyoshi OKADA	Executive Vice President for Planning, Human Resources and Public Relations
Toshio MARUYAMA	Executive Vice President for Education and International Affairs
Makoto ANDO	Executive Vice President for Research
Masayuki SHIBATA	Executive Vice President for Finance and Campus Management / Secretary-General
Yoshio ISHIDA	Corporate Auditor, East Japan Railway Company President, Tokyo Tech Alumni Association (Kuramae Kougyoukai)
Norio IZUMI	President, NextDecade Research Institute, Ltd.
Kyoko UENO	General Manager, Information Services and Marketing Division, Japan Association for International Chemical Information
Hidefumi KOBATAKE	Executive Board Member of THE KAETSU EDUCATIONAL FOUNDATION Principal of KAETSU ARIAKE Junior and Senior High School
Nobuo SEKI	Former President & CEO, Chiyoda Corporation
Yasuko MURAMATSU	President, Japan Association for Women's Education
Toru YAMASHITA	Chief Corporate Adviser, NTT DATA Corporation
Makoto OKA	Professor, School of Science
	Educational and Research Council
Yoshinao MISHIMA	President
Kiyoshi OKADA	Executive Vice President for Planning, Human Resources and Public Relations
Toshio MARUYAMA	Executive Vice President for Education and International Affairs
Makoto ANDO	Executive Vice President for Research
Masayuki SHIBATA	Executive Vice President for Finance and Campus Management / Secretary-General
Tetsuo OKADA	Dean, School of Science
Nobuyuki IWATSUKI	Dean, School of Engineering
Yuji WADA	Dean, School of Materials and Chemical Technology
Osamu WATANABE	Dean, School of Computing
Hisakazu MIHARA	Dean, School of Life Science and Technology
Kikuo KISHIMOTO	Dean, School of Environment and Society
Noriyuki UEDA	Dean, Institute for Liberal Arts
Kazuya MASU	Director-General, Institute of Innovative Research
Tetsuo OKADA	Dean, Graduate School of Science (prior system)
Kikuo KISHIMOTO	* * *
	Dean, Graduate School of Engineering (prior system)
Hisakazu MIHARA	Dean, Graduate School of Bioscience and Biotechnology (prior system)
Saburoh MIDORIKAWA	Dean, Interdisciplinary Graduate School of Science and Engineering (prior system)
Osamu WATANABE	Dean, Graduate School of Information Science and Engineering (prior system)
Norihiro NAKAI	Dean, Graduate School of Decision Science and Technology (prior system)
Shuzo FUJIMURA	Dean, Graduate School of Innovation Management (prior system)
Tetsuo OKADA	Dean, School of Science (prior system)
Kikuo KISHIMOTO	Dean, School of Engineering (prior system)
Hisakazu MIHARA	Dean, School of Bioscience and Biotechnology (prior system)
Kyoko YAMAMURO	Director, Library
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Tomohiko UYEMATSU	Vice President for Information Infrastructure
Tetsuya MIZUMOTO	Vice President for Education
Hidetoshi SEKIGUCHI	Vice President for International Affairs
Naoto OHTAKE	Vice President for Research Development
Tetsuo YAI	Vice President for Government and Industry Liaison
Shinji ANDO	Vice President for Safety and Compliance
Kotaro YAMADA	Professor, School of Science
Kotaro KAJIKAWA	Professor, School of Engineering
Takeshi KIKUTANI	
	Professor, School of Materials and Chemical Technology
Haruo YOKOTA	Professor, School of Computing
Hiroyuki OHTA	Professor, School of Life Science and Technology
Norihiro NAKAI	Professor, School of Environment and Society
Tarou YAMAZAKI	Professor, Institute for Liberal Arts
Hideo HOSONO	Professor, Institute of Innovative Research
Kohtaro OSAKADA	Professor, Institute of Innovative Research
Hiroyuki KAMEI	Professor, Museum and Archives
	President Nomination Committee
Yoshio ISHIDA	Corporate Auditor, East Japan Railway Company President, Tokyo Tech Alumni Association (Kuramae Kouqyoukai)
Norio IZUMI	President, NextDecade Research Institute, Ltd.
Hidefumi KOBATAKE	Executive Board Member of THE KAETSU EDUCATIONAL FOUNDATION Principal of KAETSU ARIAKE Junior and Senior High School
Nohuo SEVI	
Nobuo SEKI	Former President & CEO, Chiyoda Corporation
Yasuko MURAMATSU	President, Japan Association for Women's Education
Nobuyuki IWATSUKI	Dean, School of Engineering
Noriyuki UEDA	Dean, Institute for Liberal Arts
Kazuya MASU	Director-General, Institute of Innovative Research
Hisakazu MIHARA	Dean, School of Life Science and Technology
Kotaro YAMADA	Professor, School of Science
Kivoshi OKADA	Evacutive Vice President for Planning Human Descurres and Bublic Palations

Executive Vice President for Planning, Human Resources and Public Relations

Kiyoshi OKADA

# Schools / Institute for Liberal Arts

# Schools and Departments

Schools

In April 2016, Tokyo Tech joined its undergraduate and graduate schools and established 6 Schools and 19 Departments.

### School of Science

	Mathematics
Department	Physics
рераниени	Chemistry
	Earth and Planetary Sciences

### School of Materials and Chemical Technology

Department	Materials Science and Engineering
Department	Chemical Science and Engineering

### School of Computing

Department	Mathematical and Computing Science
Department	Computer Science

### School of Life Science and Technology

epartment	Life Science and Technology

### School of Engineering

	Mechanical Engineering
	Systems and Control Engineering
Department	Electrical and Electronic Engineering
	Information and Communications Engineering
	Industrial Engineering and Economics

### School of Environment and Society

	Architecture and Building Engineering	
		Civil and Environmental Engineering
	Department	Transdisciplinary Science and Engineering
		Social and Human Sciences
		Innovation Science
	Professional master's degree program	Technology and Innovation Management

# Institute for Liberal Arts (ILA)

ILA aims to develop individuals who understand the challenges of the 21st century, recognize their individual societal roles, and possess the willingness and creativity to take action, tackle problems, and achieve goals in order to build a better future society.

### Institute of Innovative Research (IIR)

IIR, which consists of four Research Laboratories, two Research Centers, and ten Research Units, creates new research areas and technologies that solve existing

problems in society, laying the foundations of future industry. In the long run, IIR aims to become a world-leading innovation center

### **Research Laboratories**

### Laboratory for Future Interdisciplinary Research of Science and Technology (FIRST)

The mission of FIRST is to create innovative industrial technologies by fusing various research fields such as mechanical engineering, information science and technology, electrical and electronic engineering, metallurgy, environmental engineering, disaster prevention engineering, and social engineering. As part of its interdisciplinary research programs, FIRST promotes research collaboration with a network-type Joint Usage / Research Center in the field of biomedical engineering.

#### Laboratory for Materials and Structures (MSL)

MSL aims to create innovative materials with outstanding properties and functions through interdisciplinary research efforts in the fields of inorganic materials, metals, and organic materials. MSL brings about breakthroughs in materials science and technology that contribute to solving technological problems in society. As a Joint Usage / Research Center for advanced inorganic materials, MSL provides a framework for multilateral collaborations

# **Research Centers**

### International Research Center of Advanced Energy Systems for Sustainability (AES)

AES aims to establish advanced energy systems to realize stable and environment-friendly energy utilization by taking advantage of existing social infrastructures. AES also promotes and creates research projects to find solutions to problems faced by communities and businesses through open innovation with industries, government, and local municipalities.

#### Cell Biology Center

This center promotes advanced basic research on vital phenomena at the cellular level, and aims to utilize research findings to establish fundamental technologies used in medicine and innovative drug discovery.

### Laboratory for Chemistry and Life Science (CLS)

CLS carries out a wide range of research on molecular science and engineering covering not only fundamental and applied chemistry but also life science. CLS aims to create new principles of molecule-based chemistry and bioscience, thereby achieving breakthroughs in next-generation science and technology. The final goal of CLS is to contribute to the realization of sustainable development of human society through front-line chemical research.

#### Laboratory for Advanced Nuclear Energy (LANE)

LANE aims to contribute to the sustainable development of the world as one of the leading laboratories in applied nuclear energy research. Fundamental research into the peaceful use of nuclear energy is of great significance to solve the world's energy shortage and carbon dioxide emission problems. LANE's research on innovative nuclear energy systems, actinide management, global nuclear security, and advanced research on medical application of radiation are promoted as mission-driven research, along with fundamental researches.

### Advanced Research Center for Social Information Science and Technology (ASIST)

ASIST aims at solving social problems by utilizing information and communication technology (ICT). ASIST conducts research targeting the establishment of safe and secure logistical information platforms, by which individuals are able to access their own personal data managed by governmental organizations, medical facilities, and other institutions.

### **Research Units**

### Global Hydrogen Energy Unit

The unit investigates the implementation and technological development of a global-scale CO2-free hydrogen supply chain combined with the domestic hydrogen network, with collaboration among academia, industry, and government, aiming to realize a "best mix" of global and diverse energy

### Advanced Computational Drug Discovery Unit

This unit aims to form an open platform for studies on innovative drug discovery through the integration of computational technology and experimental biochemistry by utilizing Tokyo Tech's strengths in molecular simulation technology, bioinformatics, large-scale GPU calculation using the supercomputer TSUBAME, and machine learning.

### Biointerfaces Unit

The unit focuses on developing biointerfaces for rehabilitation processes and collecting biological information for preventing disease and assessing the condition of organs.

### Advanced Data Analysis and Modeling Unit

This unit utilizes public and private big data in an integrated manner to clarify phenomena in human society from a scientific viewpoint, and aims to build a basic model that is used to predict the effects of natural disasters and other environmental changes through large-scale simulations.

### Hybrid Materials Unit

The unit aims to create sub-nanoscale alloy particles using precision metal assembly methods to pave the way for a new field of next-generation functional

### Innovative Heterogeneous Catalysis Unit

The unit aims to create new environmentally friendly solid catalysts that contribute to the production of glucose from organic resources and provide alternatives to petroleum.

### **Research Units**

### Advanced Nuclear Fuel Cycle Unit

The unit aims to develop safe, low-emission, eco-friendly nuclear fuel cycles and waste-disposal technologies, which will contribute to future energy security and the suppression of global warming.

### Nanospace Catalysis Unit

This unit aims at the effective use of resources and the improvement of chemical manufacturing processes through the control and functionalization of nanospace structures and the creation of nanospace catalysts enabling the conversion of diverse carbon resources into useful chemical substances.

#### Clean Environment Unit

The unit develops pollution detection and analysis methods including real-time monitoring of airborne chemicals to evaluate environmental risk and realize a cleaner, safer society.

# Strategic Research Hubs

#### Earth-Life Science Institute (ELSI)

ELSI was formed as part of the MEXT World Premier International Research Center Initiative (WPI). It aims to answer key questions about the origin of life based on early Earth-life system research. To achieve this, ELSI strives to become a world research hub through its use of the Earth, planetary, and life sciences to create a new field — bioplanetology.

### Collaborative Research Center for Happiness Co-Creation Society through Intelligent Communications (HAPIC)

HAPIC is a research site of MEXT's Center of Innovation Science and Technologybased Radical Innovation and Entrepreneurship Program (COI STREAM). It works closely with academia-industry-government teams to tackle innovative research and development with high potential for commercial applications. This project ultimately aims to contribute to the vitality of all members of society, going beyond generational and cultural differences

#### Materials Research Center for Element Strategy (MCES)

MCES was established to facilitate research on element strategy, and aims to create novel materials from ubiquitous elements by creating new paradigms in materials science. MCES operates the Tokodai Institute for Element Strategy (TIES) funded by the MEXT Element Strategy Initiative to Form Core Research Centers for Electronic Materials, and the ACCEL Hosono Electride Project funded by the Japan Science and Technology Agency (JST).

# Tokyo Tech High School of Science and Technology (TTHS)

Tokyo Tech High School of Science and Technology is a MEXT-designated Super Science High School (SSH) and Super Global High School (SGH). It strives to realize a stable system of education providing holistic education to students wishing to pursue studies in science and technology. It also seeks to advance desirable

science and engineering education in cooperation with Tokyo Tech. An example of this is a special program that allows TTHS students to enroll through alternative entrance procedures

As of May 1, 2017

										101 Way 1, 2017
Department										
Department of Science and Technology	200	157	45					157	45	202
Applied Chemistry Course				27	12	29	11	56	23	79
Information Systems Course				37	5	35	1	72	6	78
Mechanical Systems Engineering Course				31	9	40		71	9	80
Electrical and Electronics Course				34	6	37	3	71	9	80
Architectural Design Course				20	11	19	9	39	20	59
Total	200	157	45	149	43	160	24	466	112	578

### Library

The Library houses a wide variety of domestic and overseas publications in the fields of science and engineering, which are available to all interested individuals. Electronic functions have been expanded to provide a wide variety of services via the internet, including access to electronic journals.

Number of books

As of April 1, 2017

Classifications	Main Building (Ookayama Campus)		Total
Japanese publications	277,500	51,373	328,873
Non-Japanese publications	391,435	100,772	492,207
Total	668,935	152,145	821,080

### Number of periodical titles

As of April 1, 2017

Classifications	Main Building (Ookayama Campus)	Branch (Suzukakedai Campus)	Total
Japanese publications	2,657	669	3,326
Non-Japanese publications	11,445	2,006	13,451
Total	14,102	2,675	16,777

### Electronic data

As of April 1, 2017

Classifications	Electronic Journals	Electronic books	Databases
Domestic data	589	222	2
Overseas data	12,538	18,301	5

#### Use in FY 2016

Classifications	Main Building (Ookayama Campus)		Total
Number of visitors	359,392	44,811	404,203
Number of publications borrowed	92,885	29,409	122,294

### Institute-Wide Education Centers

### Innovator and Inventor Development Platform (IIDP)

IIDP organizes Career Development Courses for all graduate-level students at Tokyo Tech. Students must fulfill all requirements for these courses to complete their master's or doctoral degree programs. IIDP provides education that enables students to develop their career awareness and receive on-site training corresponding to their career plans.

### Academy for Co-creative Education of Environment and Energy Science (ACEEES)

ACEEES aims to nurture global leaders with expertise in both the environment and energy fields who have a quick, accurate, self-reliant ability to extract and resolve issues, utilize multifaceted viewpoints to evaluate problems that transform spatio-temporally, and can lead innovation in the 2S x 3E era.

### Academy for Global Nuclear Safety and Security Agent (U-ATOM)

U-ATOM has an important role of cultivating students as global leaders with a high level of professionalism and sociability who will work in the nuclear safety and security fields of industries and governments. Topics include nuclear proliferation, terrorism and large-scale disasters.

#### Tokyo Tech Professional Academy

In response to significant technical innovations, changes in industrial structures, and rapidly evolving societal needs, the Tokyo Tech Professional Academy puts working adults in touch with the newest knowledge and most advanced technology through its various education programs.

### Academy for Global Leadership (AGL)

AGL cultivates leaders capable of realizing a global society through an integrated multidisciplinary educational system in cooperation with Hitotsubashi University. AGL students deepen their understanding in different fields, gain broader international perspectives, and develop the ability to take action even when faced with complex problems.

### Education Academy of Computational Life Sciences (ACLS)

ACLS aims to train potential leaders in life and computer sciences through combined master's and doctoral programs. ACLS cultivates "Gamma-type specialists" who have deep practical knowledge in their major specialties coupled with relevant knowledge and experience in their secondary areas.

#### Center for International Education

The Center for International Education plans and administers Institute-wide international education programs developed in collaboration with academic departments and administrative divisions. It also provides support to inbound international students through preparatory courses and other activities.

### Institute-Wide Support Centers

#### Health Support Center

The Health Support Center is responsible for health management at Tokyo Tech. Physicians, counselors, and other healthcare professionals support the physical and mental health of students and staff by providing medical examinations, counseling, and health and safety seminars.

### Collaboration Center for Design and Manufacturing (CODAMA)

A makerspace for all of Tokyo Tech's students and researchers, CODAMA also serves as a multi-functional hub where local residents and high school students can enhance their imagination and creativity

### Global Scientific Information and Computing Center (GSIC)

GSIC provides supercomputer, information infrastructure for authentication systems, e-mail and network, and software license services. GSIC also shows activities of a Joint Usage / Research Center (JHPCN), HPCI resource provider, and international collaborations using information technology

#### Radiation Research and Management Center (RRMC)

RRMC supports research and education involving the use of radioisotopes and radiation generators, and plays a central role in radiation safety management through the supervision of facilities and radiation workers, and the provision of education and training.

#### Museum and Archives

The Museum and Archives collects, preserves, and displays highlights of Tokyo Tech's activities since its founding over 135 years ago. Staff conduct research on the historical value of its collections and carry out educational programs that are inspired by heritage

### Student Support Center

This center has six main functions that aim to help students in every aspect of life at Tokyo Tech. The Center offers counseling services at the Student Guidance Room and through the Telephone Consultation Service, encourages studentcentered activities by managing Peer Support services and Institute-wide surveys at the Student Initiative Support Office, assists newly enrolled students in collaboration with Student Life Coaches, ensures accessibility for students with disabilities, and provides career support and opportunities for international  $% \left( 1\right) =\left( 1\right) \left( 1\right$ 

### Center for Innovative Teaching and Learning (CITL)

Based on Tokyo Tech's education and research philosophy, CITL was established to develop highly knowledgeable faculty members with outstanding teaching skills and to foster perceptive, capable students with excellent academic abilities and a strong motivation to learn. Through faculty development, course evaluation, promotion of active learning, and massive open online courses, CITI aims continuously to strengthen its three pillars; educational assessment. professional development, and learning environment design.

### Center for Biological Resources and Informatics (CBRI)

CBRI has Research and Infrastructure Divisions to promote and support cuttingedge research in the life sciences. The Infrastructure Division raises and cares for laboratory animals, and supports research and education related to gene recombination. The Research Division is engaged in research associated with bioinformatics for genomes, RNAs and proteins.

### Research Support Center for Low-Temperature Science

This center supports research on physical properties under extremely low temperature, and basic research in the fields of science and engineering. It provides refrigerants, low-temperature technology, and safety education to promote related research at the Institute

# Staff / Student Numbers

# Number of staff

				Total
President / Executive Vice Presidents / Auditors	1	4	2	7

Research and teaching staff	Pr	rofesso	ırs															High School Assistants			Total	
School of Science	54		54	32	1	33	3		3	51	2	53		2	2							145
School of Engineering	70	3	73	65	7	72				52	6	58	1	1	2							205
School of Materials and Chemical Technology	48	2	50	45	5	50	5		5	49	2	51		1	1							157
School of Computing	28		28	21		21	1		1	17	1	18										68
School of Life Science and Technology	21	2	23	21	4	25	3		3	30	1	31		2	2							84
School of Environment and Society	41	5	46	39	5	44	1		1	24	4	28										119
Institute for Liberal Arts	21	2	23	15	9	24		1	1	5	2	7										55
Institute of Innovative Research	57		57	48	6	54	1		1	49	6	55										167
						St	rategic	Resear	rch Hub	5												
Earth-Life Science Institute	5		5	1		1																6
Materials Research Center for Element Strategy				3		3				1		1										4
						Instit	ute-wic	le Supp	ort Cen	ters												
Health Support Center	3		3	1		1																4
Center for Innovative Teaching and Learning	1		1	2		2																3
Global Scientific Information and Computing Center	5	1	6	4		4				1		1										11
Center for Biological Resources and Informatics	1		1	4		4	1		1													6
Radiation Research and Management Center				1		1																1
Museum and Archives	1		1																			1
						Othe	er office	s and h	nigh sch	ool												
Office of Public Engagement	1		1																			1
Office of Research and Innovation	1		1																			1
Office of Campus Management											2	2										2
Tokyo Tech High School of Science and Technology																37	9	46	2	2	4	50
Total	358	15	373	302	37	339	15	1	16	279	26	305	1	6	7	37	9	46	2	2	4	1,090

Note: Teachers and School Nurses include Associate Principal and Senior Teachers.

	Adm	ninistrative	staff	T	echnical sta	ff	1	Medical staf	f					
												Total		
Office and technical staff	252	235	487	98	23	121		3	3			611		

# Number of fixed-term staff

		nstitu ofess			pecial point ofess		Specia Associ		ointed fessors		pecia opoin ectur		Specia Assista	Illy App ant Prof			isitin ofess			isitin socia ofesso	ite		/isitin			/isitin ssista ofess		Othei		Total
Research and teaching staff	11		11	126	14	140	72	7	79	12	3	15	72	11	83	69	1	70	34	4	38	2		2	7		7	1	1	446

Office and technical staff	Vic	e Preside	ents	Admii	nistrativ	e staff	Technical staff			Me	edical sta	aff	Stude	nt affair	sstaff			Tota	
Office and recinical staff																			
Working 30h or more per week				45	455	500	176	94	270		4	4	3	12	15				789
Working 29h or less per week	2	1	3	16	328	344	112	127	239	2	1	3	5	9	14	1		1	604
Total	2	1	3	61	783	844	288	221	509	2	5	7	8	21	29	1		1	1,39

# Research staff

Affiliation	Visiting scholars	Researchers from industrial firms	Researchers from industrial firms	JSPS Fellows (Japa	ın Society for the Pro	motion of Science)	Total
Attiliation	Visiting scholars						Total
School of Science	5			7	7	16	35
School of Engineering	6	3	10	3	6	11	39
School of Materials and Chemical Technology	4	5	10	4	4	13	40
School of Computing	4				1	5	10
School of Life Science and Technology	1	1	1	5	1	5	14
School of Environment and Society	7	11		3	3	2	26
Institute for Liberal Arts							
Institute of Innovative Research	12	4	20	3			39
Strategic Research Hubs	1		2	4			7
Institute-Wide Education Centers and Institute-Wide Support Centers	3		1	1			5
Graduate School of Science					6	4	10
Graduate School of Engineering					20	10	30
Graduate School of Bioscience and Biotechnology					4	4	8
Interdisciplinary Graduate School of Science and Engineering					13	5	18
Graduate School of Information Science and Technology					4	1	5
Graduate School of Decision Science and Technology					2		2
Graduate School of Innovation Management							
Total	43	24	44	30	71	76	288

Note: Figures for JSPS Fellows (Japan Society for the Promotion of Science) reflect instructor affiliation. Figures include both new and continuing employment.

# Visiting scholars by country or region

	Asia	
Vietnam		
	Middle Fast	

Daligiaucsii	'
Cambodia	12
China	37
India	12
Indonesia	12
Japan	1
Korea	6
Laos	1
Malaysia	7
Mongolia	2
Myanmar	1
Pakistan	1
Philippines	9
Sri Lanka	2
Taiwan	13

Asia	
Vietnam	8
Middle East	
Iran	4
Iraq	1
Israel	1
Turkey	3
Africa	
Egypt	6
Oceania	
Australia	4
North America	
Canada	2
U.S.A	8
Europe	
Armenia	3
Belgium	4

Europe	
France	10
Germany	15
Hungary	1
Ireland	1
Italy	7
Lithuania	2
Norway	1
Portuguese	3
Russia	2
Spain	9
Sweden	7
U.K.	8
Total	
	248

# Number of students by Academic Group

	Admission quata		Enroll			Tota	
Academic Group							
1st		190	(5)	12	(0)	202	(5)
2nd		78	(1)	14	(0)	92	(1)
3rd		89	(4)	27	(1)	116	(5)
4th		203 (	(11)	24	(2)	227	(13)

Academic Group				Total
Academic Group				IULAI
5th		198 (6)	24 (2)	222 (8)
6th		106 (21)	38 (11)	144 (32)
7th		122 (4)	38 (0)	160 (4)
Total	1,068	986 (52)	177 (16)	1,163 (68)

Note: Figures in parentheses represent the number of international students.

# Staff / Student Numbers

Number of students by Department who enrolled in bachelor's degree programs in AY 2016

61.1		Admission	2nd	year	3rd	year	4th	year	
School									Total
	Mathematics		29 (1)	2 (1)					31 (2)
	Physics		57 (1)	3 (0)					60 (1)
School of Science	Chemistry		28 (0)	1 (1)					29 (1)
	Earth and Planetary Sciences		24 (0)	1 (0)					25 (0)
	Total	151	138 (2)	7 (2)					145 (4)
	Mechanical Engineering		138 (10)	9 (0)					147 (10)
	Systems and Control Engineering		45 (2)	2 (0)					47 (2)
School of	Electrical and Electronic Engineering		78 (3)	2 (0)					80 (3)
Engineering	Information and Communidations Engineering		47 (3)	4 (0)					51 (3)
	Industrial Engineering and Economics		51 (0)	7 (0)					58 (0)
	Total	358	359 (18)	24 (0)					383 (18)
School of	Materials Science and Engineering		76 (2)	15 (0)					91 (2)
Materials and Chemical	Chemical Science and Engineering		84 (1)	17 (1)					101 (2)
Technology	Total	183	160 (3)	32 (1)					192 (4)
	Mathematical Science and Engineering		33 (0)	2 (0)					35 (0)
School of Computing	Computer Science		64 (4)	3 (0)					67 (4)
	Total	92	97 (4)	5 (0)					102 (4)
School of Life Science and	Life Science and Technology		111 (1)	29 (0)					140 (1)
Technology	Total	150	111 (1)	29 (0)					140 (1)
	Architecture and Building Engineering		38 (1)	19 (0)					57 (1)
School of Environment	Civil		29 (0)	9 (2)					38 (2)
and Society	Social and Human Sciences		37 (17)	14 (9)					51 (26)
	Total	134	104 (18)	42 (11)					146 (29)
Total		1,068	969 (46)	139 (14)					1,108 (60)

Note: Figures in parentheses represent the number of international students.

# Number of students by Department who enrolled in bachelor's degree programs in AY 2015 or earlier

School	Department		year		310		401 )				Total
3011001											Total
	Mathematics				28 (1)	2 (0)	39 (0)	2 (0)	67 (1)	4 (0)	71 (1)
	Physics				62 (2)	2 (0)	74 (2)	5 (0)	136 (4)	7 (0)	143 (4)
	Chemistry				29 (1)	7 (0)	39 (0)	6 (1)	68 (1)	13 (1)	81 (2)
Science	Information Science				35 (0)	4 (0)	48 (1)	2 (0)	83 (1)	6 (0)	89 (1)
	Earth and Planetary Sciences				24 (1)	6 (0)	49 (1)	3 (0)	73 (2)	9 (0)	82 (2)
	General Education (1st year)	6 (0)							6 (0)		6 (0)
	Total	6 (0)			178 (5)	21 (0)	249 (4)	18 (1)	433 (9)	39 (1)	472 (10)
	Metallurgical Engineering				28 (0)	2 (0)	36 (0)	6 (1)	64 (0)	8 (1)	72 (1)
	Organic and Polymeric Materials				23 (2)	2 (0)	25 (1)	6 (0)	48 (3)	8 (0)	56 (3)
	Inorganic Materials				33 (0)	4 (0)	28 (0)	7 (0)	61 (0)	11 (0)	72 (0)
	Chemical Engineering				55 (1)	14 (1)	71 (1)	8 (2)	126 (2)	22 (3)	148 (5)
Engineering	Polymer Chemistry				28 (0)	5 (1)	24 (1)	11 (0)	52 (1)	16 (1)	68 (2)
	Mechanical Engineering and Science				49 (4)	8 (0)	54 (5)	2 (0)	103 (9)	10 (0)	113 (9)
	Mechanical and Intelligent Systems Engineering				42 (1)	1 (0)	60 (4)	4 (1)	102 (5)	5 (1)	107 (6)
	Mechano-Aerospace Engineering				51 (1)		47 (3)	4 (0)	98 (4)	4 (0)	102 (4)
	Control and Systems Engineering				47 (1)	5 (2)	59 (2)	1 (0)	106 (3)	6 (2)	112 (5)

of May 1, 2017

School	Department	1st y	year	2nd	year	3rd	year	4th	year	То	tal	Total
20001												lotai
	Industrial and Systems Engineering					33 (1)	6 (0)	44 (1)	3 (0)	77 (2)	9 (0)	86 (2)
	Electrical and Electronic Engineering					82 (4)	1 (1)	112 (4)	9 (0)	194 (8)	10 (1)	204 (9)
	Computer Science					109 (3)	8 (0)	125 (3)	3 (0)	234 (6)	11 (0)	245 (6)
	Civil and Environmental Engineering					27 (1)	6 (0)	38 (4)	7 (0)	65 (5)	13 (0)	78 (5)
Engineering	Architecture and Building Engineering					29 (2)	19 (1)	43 (0)	13 (0)	72 (2)	32 (1)	104 (3)
	Social Engineering					27 (0)	9 (0)	31 (1)	6 (0)	58 (1)	15 (0)	73 (1)
	International Development Engineering					27 (13)	7 (3)	41 (10)	6 (6)	68 (23)	13 (9)	81 (32)
	General Education (1st year)	14 (0)								14 (0)		14 (0)
	Total	14 (0)				690 (34)	97 (9)	838 (40)	96 (10)	1,542 (74)	193 (19)	1,735 (93)
	Bioscience					38 (0)	24 (2)	77 (1)	8 (2)	115 (1)	32 (4)	147 (5)
Bioscience and	Biotechnology					60 (1)	26 (0)	65 (1)	21 (1)	125 (2)	47 (1)	172 (3)
Biotechnology	General Education (1st year)	6 (0)								6 (0)		6 (0)
	Total	6 (0)				98 (1)	50 (2)	142 (2)	29 (3)	246 (3)	79 (5)	325 (8)
Total		26 (0)				966 (40)	168 (11)	1,229 (46)	143 (14)	2,221 (86)	311 (25)	2,532 (111)

Note: Figures in parentheses represent the number of international students.

# Total number of students in bachelor's degree programs

Total	1,012	177	969	139	966	168	1,229	143	4,176	627	4,803

Note: Figures in parentheses represent the number of international students.

# Number of students in master's and doctoral programs

									Master's program total										Doctoral program	
								School	of Science	2										
Mathematics			21 (1)	2 (0)	15 (0)	2 (0)	36 (1)	4 (0)	40 (1)			5 (0)		5 (0)			10 (0)		10 (0)	50 (1)
Physics			65 (2)	2 (1)	50 (0)	4 (0)	115 (2)	6 (1)	121 (3)			15 (1)	2 (0)	12 (2)	2 (1)		27 (3)	4 (1)	31 (4)	152 (7)
Chemistry	154	308	52 (1)	14 (0)	39 (1)	8 (1)	91 (2)	22 (1)	113 (3)	52	104	10 (2)	2 (0)	13 (1)	1 (0)		23 (3)	3 (0)	26 (3)	139 (6)
Earth and Planetary Sciences			15 (1)	4 (1)	20 (0)	4 (0)	35 (1)	8 (1)	43 (2)			7 (3)	1 (1)	8 (0)	3 (0)		15 (3)	4 (1)	19 (4)	62 (6)
Total			153 (5)	22 (2)	124 (1)	18 (1)	277 (6)	40 (3)	317 (9)			37 (6)	5 (1)	38 (3)	6 (1)		75 (9)	11 (2)	86 (11)	403 (20)
								School of	Engineeri	ing										
Mechanical Engineering			179 (24)	10 (2)	150 (8)	10 (2)	329 (32)	20 (4)	349 (36)			25 (13)	6 (1)	23 (6)	4 (2)		48 (19)	10 (3)	58 (22)	407 (58)
Systems and Control Engineering			67 (12)	1 (0)	47 (2)	3 (0)	114 (14)	4 (0)	118 (14)			15 (7)	1 (1)	4 (1)			19 (8)	1 (1)	20 (9)	138 (23)
Electrical and Electronic Engineering	477	954	143 (23)	9 (2)	117 (8)	5 (0)	260 (31)	14 (2)	274 (33)	169	338	15 (10)	3 (3)	17 (1)	1 (1)		32 (11)	4 (4)	36 (15)	310 (48)
Information and Communications Engineering			70 (20)	10 (4)	70 (6)	10 (3)	140 (26)	20 (7)	160 (33)			19 (5)	6 (5)	6 (1)	2 (1)		25 (6)	8 (6)	33 (12)	193 (45)
Industrial Engineering and Economics			55 (5)	10 (4)	55 (2)	8 (1)	110 (7)	18 (5)	128 (12)			8 (4)	3 (2)	1 (1)	1 (1)		9 (5)	4 (3)	13 (8)	141 (20)
Total			514 (84)	40 (12)	439 (26)	36 (6)	953 (110)	76 (18)	1,029 (128)			82 (39)	19 (12)	51 (10)	8 (5)		133 (49)	27 (17)	160 (66)	1,189 (194)
						Sc	chool of M	aterials a	nd Chemio	al Tech	nology									
Materials Science and Engineering			181 (21)	29 (5)	154 (1)	27 (2)	335 (22)	56 (7)	391 (29)			49 (20)	9 (4)	19 (5)	4 (2)		68 (25)	13 (6)	81 (31)	472 (60)
Chemical Science and Engineering	347	694	157 (10)	43 (7)	141 (6)	24 (0)	298 (16)	67 (7)	365 (23)	129	258	33 (8)	7 (7)	24 (5)	3 (0)		57 (13)	10 (7)	67 (20)	432 (43)
Total			338 (31)	72 (12)	295 (7)	51 (2)	633 (38)	123 (14)	756 (52)			82 (28)	16 (11)	43 (10)	7 (2)		125 (38)	23 (13)	148 (51)	904 (103)

stes: 1) Figures in parentheses represent the number of international students. 2) \* Doctoral program only. 3) \* \* Professional master's program only.

# Staff / Student Numbers

Innovative and Engineered Materials

Number of students in master's and doctoral programs (cont.)

										•					•						
				Master'	s Prograr	n								Doctora	ıl Prograi	n					Master's
Department									Master's program												and doctoral
																					programs total
								School of	Computi	ng											
Mathematical and Computing Science			45 (0)	4 (2)	37 (1)	2 (0)	82 (1)	6 (2)	88 (3)			6 (1)	3 (1)	11 (1)				17 (2)	3 (1)	20 (3)	108 (6)
Computer Science	135	270	112 (20)	9 (3)	82 (2)	9 (3)	194 (22)	18 (6)	212 (28)	50	100	21 (7)	3 (1)	11 (1)	3 (0)			32 (8)	6 (1)	38 (9)	250 (37)
Total			157 (20)	13 (5)	119 (3)	11 (3)	276 (23)	24 (8)	300 (31)			27 (8)	6 (2)	22 (2)	3 (0)			49 (10)	9 (2)	58 (12)	358 (43)
							School o	of Life Scie	nce and T	echnol	ogy										
Life Science and Technology			130 (9)	56 (13)	120 (0)	41 (3)	250 (9)	97 (16)	347 (25)			28 (3)	18 (11)	17 (2)	5 (1)			45 (5)	23 (12)	68 (17)	415 (42)
Total	168	336	130 (9)	56 (13)	120 (0)	41 (3)	250 (9)	97 (16)	347 (25)	52	104	28 (3)	18 (11)	17 (2)	5 (1)			45 (5)	23 (12)	68 (17)	415 (42)
							Schoo	of Enviro	nment an	d Socie	ty										
Architecture and Building Engineering			99 (16)	30 (12)	71 (3)	33 (2)	170 (19)	63 (14)	233 (33)			14 (4)	5 (4)	10 (0)	6 (1)			24 (4)	11 (5)	35 (9)	268 (42)
Civil and Environmental Engineering			40 (10)	19 (6)	36 (0)	5 (1)	76 (10)	24 (7)	100 (17)			13 (10)	3 (3)	5 (3)	1 (1)			18 (13)	4 (4)	22 (17)	122 (34)
Transdisciplinary Science and Engineering	263	526	59 (20)	17 (10)	55 (10)	12 (7)	114 (30)	29 (17)	143 (47)	115	230	20 (12)	16 (11)	16 (9)	4 (3)			36 (21)	20 (14)	56 (35)	199 (82)
Social and Human Sciences			22 (3)	13 (3)	23 (0)	6 (1)	45 (3)	19 (4)	64 (7)			6 (0)		2 (0)				8 (0)		8 (0)	72 (7)
Innovation Science **												8 (2)	1 (1)	2 (0)				10 (2)	1 (1)	11 (3)	11 (3)
Technology and Innovation Management *	40	80	39 (1)	4 (0)	30 (0)	2 (0)	69 (1)	6 (0)	75 (1)												75 (1)
Total			259 (50)	83 (31)	215 (13)	58 (11)	474 (63)	141 (42)	615 (105)			61 (28)	25 (19)	35 (12)	11 (5)			96 (40)	36 (24)	132 (64)	747 (169)
						G	raduate S	chool of S	cience an	d Engin	eering										
Mathematics					2 (1)		2 (1)		2 (1)		8					7 (0)	1 (0)	7 (0)	1 (0)	8 (0)	10 (1)
Fundamental Physics					3 (1)		3 (1)		3 (1)		8					9 (0)	2 (1)	9 (0)	2 (1)	11 (1)	14 (2)
Condensed Matter Physics					2 (0)		2 (0)		2 (0)		12			1 (0)		7 (3)		8 (3)		8 (3)	10 (3)
Chemistry					2 (0)		2 (0)		2 (0)		12			2 (0)		13 (0)	2 (1)	15 (0)	2 (1)	17 (1)	19 (1)
Earth and Planetary Sciences					1 (0)		1 (0)		1 (0)		7					5 (0)	6 (0)	5 (0)	6 (0)	11 (0)	12 (0)
Chemistry and Materials Science					5 (0)		5 (0)		5 (0)		10			1 (0)		8 (2)	2 (2)	9 (2)	2 (2)	11 (4)	16 (4)
Metallurgy and Ceramics Science					7 (3)	5 (5)	7 (3)	5 (5)	12 (8)		13			7 (4)	1 (1)	12 (2)	1 (1)	19 (6)	2 (2)	21 (8)	33 (16)
Organic and Polymeric Materials					5 (3)	3 (3)	5 (3)	3 (3)	8 (6)		15			3 (3)	1 (1)	12 (0)	5 (3)	15 (3)	6 (4)	21 (7)	29 (13)
Applied Chemistry											7			1 (0)		6 (0)	1 (0)	7 (0)	1 (0)	8 (0)	8 (0)
Chemical Engineering					6 (5)	2 (1)	6 (5)	2 (1)	8 (6)		9			2 (0)		6 (3)	3 (2)	8 (3)	3 (2)	11 (5)	19 (11)
Mechanical Sciences and Engineering					10 (3)		10 (3)		10 (3)		12			5 (2)		5 (2)	1 (0)	10 (4)	1 (0)	11 (4)	21 (7)
Mechanical and Control Engineering					9 (5)		9 (5)		9 (5)		15			3 (2)		20 (3)	2 (1)	23 (5)	2 (1)	25 (6)	34 (11)
Mechanical and Aerospace Engineering	- /				5 (1)	1 (0)	5 (1)	1 (0)	6 (1)		9			6 (1)	1 (1)	8 (5)		14 (6)	1 (1)	15 (7)	21 (8)
Electrical and Electronic Engineering	-				5 (1)		5 (1)		5 (1)		13			2 (2)	1 (0)	12 (3)	1 (0)	14 (5)	2 (0)	16 (5)	21 (6)
Physical Electronics					7 (4)		7 (4)		7 (4)		12			4 (3)		17 (7)	1 (1)	21 (10)	1 (1)	22 (11)	29 (15)
Communications and Integrated Systems																2 (0)	1 (0)	2 (0)	1 (0)	3 (0)	3 (0)
Communications and Computer Engineering					3 (2)	1 (1)	3 (2)	1 (1)	4 (3)		10			1 (0)		4 (3)		5 (3)		5 (3)	9 (6)
Civil Engineering					10 (6)	3 (3)	10 (6)	3 (3)	13 (9)		8			3 (3)	1 (1)	11 (6)	8 (4)	14 (9)	9 (5)	23 (14)	36 (23)
Architecture and Building Engineering					16 (9)	12 (5)	16 (9)	12 (5)	28 (14)		11			5 (2)	2 (1)	11 (3)	3 (2)	16 (5)	5 (3)	21 (8)	49 (22)
International Development Engineering					11 (6)		11 (6)		11 (6)		9			5 (4)	1 (1)	10 (6)	2 (0)	15 (10)	3 (1)	18 (11)	29 (17)
Nuclear Engineering					5 (4)	3 (3)	5 (4)	3 (3)	8 (7)		12			8 (7)	1 (0)	15 (6)	2 (0)	23 (13)	3 (0)	26 (13)	34 (20)
Total					114 (54)		114 (54)		144 (75)	1.0:	212			59 (33)	9 (6)	200 (54)	44 (18)	259 (87)	53 (24)	312 (111)	456 (186)
Life Crience			1		2 (0)				cience an	u Biote	4	y		4 (2)	2 (2)	(10)	4 (4)	10 (2)	110	14.(0)	17 (7)
Life Science					2 (0)	1 (1)	2 (0)	1 (1)	3 (1)		8			4 (2)	3 (3)	6 (0)	1 (1)	10 (2)	4 (4)	14 (6)	17 (7)
Biological Sciences		/			3 (1)	2 (1)	3 (1)	2 (1)	5 (2)		9			2 (2)	3 (3)	4 (0)	7 (3)	6 (2)	10 (6)	16 (8)	21 (10)
Biological Information	-				7 (1)	2 (2)	7 (1)	2 (2)	9 (3)		9			2 (2)	2 (2)	12 (1)	4 (2)	12 (1)	4 (2)	16 (3)	25 (6)
Bioengineering	1				6 (3)	3 (1)	6 (3)	3 (1)	9 (4)		7			3 (3)	2 (2)	6 (2)	1 (0)	9 (5)	3 (2)	12 (7)	21 (11)
Biomolecular Engineering	/				2 (1)	0 (5)	2 (1)	0 (6)	2 (1)		11			1 (1)	1 (0)	5 (0)	12 (4)	6 (1)	1 (0)	7 (1)	9 (2)
Total	/				20 (6)	8 (5)	20 (6)	8 (5)	28 (11)	/ 	44	oorir -		10 (8)	9 (8)	33 (3)	13 (6)	43 (11)	22 (14)	65 (25)	93 (36)
						Interdiscip	onnary Gr	aduate Sci	100I Of SC	ence a	nd Engin	ieering									

1(1) 1(1) 1(1) 2(2) 22

					I	Interdisci	olinary Gr	aduate Scl	hool of Sc	ience a	nd Engir	neering									
Electronic Chemistry		/			3 (2)	1 (1)	3 (2)	1 (1)	4 (3)		20			1 (0)	2 (2)	19 (4)	2 (0)	20 (4)	4 (2)	24 (6)	28 (9)
Materials Science and Engineering					3 (0)	1 (1)	3 (0)	1 (1)	4 (1)		19			1 (1)	1 (1)	12 (2)	3 (1)	13 (3)	4 (2)	17 (5)	21 (6)
Environmental Science and Technology					7 (4)	6 (6)	7 (4)	6 (6)	13 (10)		26			4 (3)	5 (4)	18 (9)	2 (0)	22 (12)	7 (4)	29 (16)	42 (26)
Built Environment					14 (3)	5 (0)	14 (3)	5 (0)	19 (3)		18			2 (0)	1 (0)	4 (1)	3 (0)	6 (1)	4 (0)	10 (1)	29 (4)
Energy Sciences					4 (1)	2 (2)	4 (1)	2 (2)	6 (3)		17			2 (1)	3 (0)	9 (3)	2 (1)	11 (4)	5 (1)	16 (5)	22 (8)
Environmental Chemistry and Engineering					5 (3)	4 (2)	5 (3)	4 (2)	9 (5)		16			2 (0)		16 (3)		18 (3)		18 (3)	27 (8)
Electronics and Applied Physics					8 (2)		8 (2)		8 (2)		23			2 (0)	1 (0)	14 (4)		16 (4)	1 (0)	17 (4)	25 (6)
Mechano-Micro Engineering					2 (1)		2 (1)		2 (1)		10					6 (3)		6 (3)		6 (3)	8 (4)
Computational Intelligence and Systems Science					12 (6)	2 (1)	12 (6)	2 (1)	14 (7)		31			9 (2)	2 (2)	46 (12)	7 (4)	55 (14)	9 (6)	64 (20)	78 (27)
Information Processing	1/				12 (7)	2 (2)	12 (7)	2 (2)	14 (9)		17			10 (4)	1 (1)	24 (8)	2 (1)	34 (12)	3 (2)	37 (14)	51 (23
Total	/				71 (30)	24 (16)	71 (30)	24 (16)	95 (46)		219			38 (12)	16 (10)	178 (52)	22 (7)	216 (64)	38 (17)	254 (81)	349 (127
						Graduat	e School	of Informa	ation Scie	nce and	Engine	ering									
Mathematical and Computing Sciences				4 (1)	1 (1)	4 (1)	1 (1)	5 (2)	/	10			4 (4)		10 (2)	3 (1)	14 (6)	3 (1)	17 (7)	22 (9)	
Computer Science					19 (5)	2 (2)	19 (5)	2 (2)	21 (7)	/	15			3 (2)	1 (1)	11 (2)	2 (1)	14 (4)	3 (2)	17 (6)	38 (13)
Mechanical and Environmental Informatics		/			4 (1)		4 (1)		4 (1)		13					7 (3)	3 (1)	7 (3)	3 (1)	10 (4)	14 (5)
Total					27 (7)	3 (3)	27 (7)	3 (3)	30 (10)	/	38			7 (6)	1 (1)	28 (7)	8 (3)	35 (13)	9 (4)	44 (17)	74 (27)
	V					Gradu	ate Schoo	l of Decis	ion Scienc	e and 1	Technolo	ogy									
Human System Science		/	1		3 (1)	1 (0)	3 (1)	1 (0)	4 (1)		11					9 (2)	9 (3)	9 (2)	9 (3)	18 (5)	22 (6)
Value and Decision Science					5 (0)	4 (4)	5 (0)	4 (4)	9 (4)		9					16 (1)	13 (1)	16 (1)	13 (1)	29 (2)	38 (6)
Industrial Engineering and Management	,				9 (3)		9 (3)		9 (3)		13			2 (0)	1 (0)	14 (4)	4 (3)	16 (4)	5 (3)	21 (7)	30 (10)
Social Engineering					9 (0)	3 (1)	9 (0)	3 (1)	12 (1)		11					8 (0)	6 (3)	8 (0)	6 (3)	14 (3)	26 (4)
Total					26 (4)	8 (5)	26 (4)	8 (5)	34 (9)		44			2 (0)	1 (0)	47 (7)	32 (10)	49 (7)	33 (10)	82 (17)	116 (26)
						G	raduate S	chool of Ir	nnovation	Manag	ement										
Management of Technology*		/			18 (0)	5 (0)	18 (0)	5 (0)	23 (0)	/	1										23 (0)
Innovation**	1										10				1 (0)	25 (2)	6 (0)	25 (2)	7 (0)	32 (2)	32 (2)
Total					18 (0)	5 (0)	18 (0)	5 (0)	23 (0)		10				1 (0)	25 (2)	6 (0)	25 (2)	7 (0)	32 (2)	55 (2)
								Т	otal												
	1,584	3,168	1,551 (199)	286 (75)	1,588 (151)	293 (76)	3,139 (350)	579 (151)	3,718 (501)	567	1,701	317 (112)	89 (56)	322 (98)	77 (39)	511 (125)	125 (44)	1,150 (335)	291 (139)	1,441 (474)	5,159 (975)

Notes: 1) Figures in parentheses represent the number of international students. 2) \* Professional master's program only. 3) \* \* Doctoral program only.

## Research students

Schools and Graduate Schools				students se govt irship)		students y funded)		ational estudents	Interna visiting s			Language Student	То	tal
Science	12 (0)	2 (0)	1 (1)		2 (2)		4 (4)	1 (1)					19 (7)	3 (1)
Engineering	6 (0)				13 (10)	6 (6)	27 (27)	16 (16)	1 (1)		9 (9)	3 (3)	56 (47)	25 (25)
Materials and Chemical Technology	12 (0)				8 (6)	1 (1)	5 (5)	7 (7)			1 (1)		26 (12)	8 (8)
Computing	1 (0)	1 (0)			6 (6)		18 (18)	3 (3)			3 (3)	3 (3)	28 (27)	7 (6)
Life Science and Technology					4 (1)	4 (3)		1 (1)		1 (1)	1 (1)	1 (1)	5 (2)	7 (6)
Environment and Society	12 (0)	2 (0)	1 (1)		14 (10)	9 (9)	21 (21)	15 (15)			3 (3)	4 (4)	51 (35)	30 (28)
Institute of Innovative Research					13 (11)	3 (3)							13 (11)	3 (3)
Other (Institute-Wide Education Centers)														
Total	43 (0)	5 (0)	2 (2)		60 (46)	23 (22)	75 (75)	43 (43)	1 (1)	1 (1)	17 (17)	11 (11)	198 (141)	83 (77)

Notes: 1) Figures in parentheses represent the number of international students.
2) \* represents the number of students who enrolled in AY2015 or earlier.

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10 (3) 1 (0) 15 (4) 1 (0) 16 (4) 18 (6)

Staff / Student Numbers

# International students

Country or region	Bachelor's program	Master's program	Doctoral program	Professional master's program	Non- degree program	Total
			Asia			
Bangladesh		6	2		1	9
Cambodia	3	2	13		9	27
China	108	223	144	1	72	548
India	3	8	4		2	17
Indonesia	21	69	66		11	167
Korea	38	30	47		11	126
Laos	10	1	1			2
Malaysia	18	11	15			44
Mongolia	10	5	2			17
Myanmar	2		3			3
Nepal	3	6	4			13
Pakistan	1	2				2
Philippines	1	9	6		3	19
Singapore	2	1	7		1	4
Sri Lanka	2	3	7		9	10
Taiwan	3	10	12			34
Thailand	16	39	67		13	135
Vietnam	4	18	18		3	43
lean		1	dle East		2	7
Iran			4		2	7
Israel		1	4		1	5
Jordan Carreli Arrelia		2	2		1	3
Saudi Arabia		1	3		1	4
Syria		1	2		5	3
Turkey			Africa 2		5	0
Algeria		<i>-</i>	1		1	2
Cameroon	1		'		'	1
	'	6	4		6	16
Egypt Gambia		1	4		0	10
Ghana			1			1
Nigeria			'		1	1
Senegal		1	2		'	3
South Africa		1	1			2
Sudan		1	'			1
Tanzania		'	1			1
Tunisia		2	<u>'</u>			2
Zambia		1				1
Zimbabwe		2	1			3
TIHIDADWC			reania			5
Australia		00	1		1	2
New Zealand	1	1	'		1	2
New Zedidiid	l l		America			
Canada		7.2.0	3			3

Country or region	Bachelor's program	Master's program	Doctoral program	Professional master's program	Non- degree program	Total
		Central and	South Ameri	ica		
Argentine		1				1
Brazil	3	4	3		4	14
Chile			2			2
Colombia		1	2			3
Cuba			1			1
Ecuador		1			1	2
El Salvador	1					1
Honduras		1	1			2
Jamaica			2			2
Mexico		3	3			6
Panama			1			1
Peru	1					1
		E	urope			
Austria					1	1
Belgium		1			1	2
Bosnia and Herzegovina		1				1
Bulgaria	1		1		2	4
Cyprus		1				1
Czech		1	1			2
Denmark		1			2	3
Estonia					1	1
Finland			1		2	3
France		1	1		4	6
Germany		2	1		13	16
Greece					1	1
Hungary			1			1
Italy					3	3
Kazakhstan		5	3			8
Lithuania		2				2
Netherlands		1			3	4
Norway					4	4
Poland		1	2			3
Romania					4	4
Russia	1	1	1		1	4
Serbia			1			1
Slovakia			1			1
Spain		1	3		2	6
Sweden					10	10
Switzerland		1			2	3
			Fotal			
	239	500	474	1	218	1,432

# Enrollment

# Enrollment

As of May 1, 2017

Classifications	Bachelor's program	Total
Classilications		
Applicants	5,661	5,661
Admitted	1,028	1,028
Enrolled	1,136	1,136

Classifications											
Applicants	276	665	507	219	199	367	2,233				
Admitted	154	477	347	135	168	303	1,584				
Enrolled	165	492	370	155	162	269	1,613				

	Doctoral program									
Classifications			School of Materials and Chemical Technology 64							
Applicants	42	51	64	20	27	53	257			
Admitted	52	169	129	50	52	115	567			
Enrolled	40	46	63	17	26	45	237			

# Location of high schools from which students graduated

Hokkaido	Hokkaido	22
	Aomori	3
	lwate	4
Tohoku	Miyagi	12
TOTIOKU	Akita	_
	Yamagata	3
	Fukushima	10
	Fukushima  Ibaraki  Tochigi	15
	Tochigi	11
	Gunma	10
Kanto	Saitama	70
	Chiba	99
	Tokyo	393
	Kanagawa	190
	Niigata	9
Chubu	Toyama	7
	Ishikawa	7

Chubu	Fukui	2
	Yamanashi	5
Chubu	Nagano	12
Cilubu	Gifu	7
	Shizuoka	13
	Shizuoka  Aichi  Mie  Shiga  Kyoto  Osaka	35
Kinki	Mie	7
	Shiga	2
	Kyoto	4
	Osaka	11
	Hyogo	12
	Nara	7
	Wakayama	2
	Tottori	1
Chugoku	Shimane	1
Спидоки	Okayama	11
	Hiroshima	5

Chugoku	Yamaguchi	3
	Tokushima	_
Shikoku	Kagawa	3
SIIIKOKU	Ehime	4
	Kochi	1
	Fukuoka	20
	Saga	5
	Nagasaki	5
Kyushu / Okinawa	Kumamoto	8
Kyushu / Okhlawa	Oita	2
	Miyazaki	1
	Kagoshima	7
	Okinawa	4
Other		71
Total		1,136

### Tokyo Tech Students after Graduation

As of May 1, 2017

# Undergraduate students after graduation

School							
School of Science	190	1	18			8	163
School of Engineering	771	10	51		10	14	686
School of Bioscience and Biotechnology	152	8	2	1	1	3	137
Total	1,113	19	71	1	11	25	986

Note: \* includes fixed-term positions

### Master's students after graduation

Graduate School							Further study
Graduate School of Science and Engineering	739	362	223	3	18	23	110
Graduate School of Bioscience and Biotechnology	137	62	34	1	3	8	29
Interdisciplinary Graduate School of Science and Engineering	512	266	149	2	7	14	74
Graduate School of Information Science and Engineering	114	37	58		3	9	7
Graduate School of Decision Science and Technology	111	16	70		1	13	11
Graduate School of innovation Management	38		10		1	25	2
School of Science	2						2
School of Environment and Society	1					1	
Total	1,654	743	544	6	33	93	235

Note: \* includes fixed-term positions.

# Doctoral students after graduation

Graduate School	Number of graduates	Manufacturers	Non- manufacturers	Education	Government or public agencies	JSPS Fellows	Postdoc	Prior affiliation	Other/ Unknown*
Graduate School of Science and Engineering	156	42	27	16	3	7	18	21	22
Graduate School of Bioscience and Biotechnology	22	6	5	1			3	4	3
Interdisciplinary Graduate School of Science and Engineering	107	17	16	16	1	2	24	17	14
Graduate School of Information Science and Engineering	16	2	5	1		1	4	1	2
Graduate School of Decision Science and Technology	14		1	2		2	2	1	6
Graduate School of Innovation Management	5	1					3	1	
School of Materials and Chemical Technology	1					1			
Total	321	68	54	36	4	13	54 **	45	47

Notes: JSPS: Japan Society for the Promotion of Science

\*\* 3 people are fixed-term (over 1 year) research staff who work more than 30 hours per week, 51 people are fixed-term staff whose contract is less than one year or who work less

\* includes fixed-term positions.

\*\* 3 people are fixed-term (over

### Number of doctoral degrees granted

		,								FY 2016
			Course-based				Dis	ssertation-bas	sed	
Classifications										Total
Graduate School of Science and Engineering	40	95	18		153	1	2	1		4
Graduate School of Bioscience and Biotechnology	11	9	2		22					
Interdisciplinary Graduate School of Science and Engineering	21	79	6		106		1			1
Graduate School of Information Science and Engineering	1	10	5		16	1	1			2
Graduate School of Decision Science and Technology	1	3	10		14					
Graduate School of Innovation Management		1		4	5					
Total	74	197	41	4	316	2	4	1		7

# Education Programs

# Bachelor's degree program

### Multidisciplinary Program of the Confederation of the Four Universities

Education & Research Programs

Tokyo Medical and Dental University, Tokyo University of Foreign Studies, Hitotsubashi University, and Tokyo Tech concluded an agreement launching the Confederation of the Four Universities to seek the expansion of mutual interactions and enhance their curriculum offerings. When students in the joint education courses have earned the required number of credits from each participating university in their chosen course, they become eligible for a certificate of completion.

#### As of May 1, 2017

thm:multidisciplinary Program of the Confederation of the Four Universities	396
Global Scientists and Engineers Course	1,193

### Global Scientists and Engineers Course

Students enrolled in this course take classes in four programs in addition to their regular bachelor's degree coursework to improve their international awareness, English language proficiency and communication skills, understanding of different cultures, ability to work on a team, ability to find and solve problems, and to enhance their experience studying abroad. Students satisfying all requirements are awarded a certificate of completion. Courses are divided into Basic, Intermediate, and Advanced levels, with the last of these aimed at master's and professional master's students.

### Master's and doctoral degree programs

#### Graduate minors

In addition to acquiring specialized knowledge through graduate majors, students can take graduate minors either to broaden their knowledge and skills in a field different from their major, or to grasp the essence of multiple graduate majors. A certificate is awarded upon completion of a graduate minor.

#### Dual Degree Program

This program allows students enrolled in doctoral programs at Tokyo Tech to be concurrently enrolled in the Department of Technology and Innovation Management, School of Environment and Society. Students gain deep knowledge and develop excellent skills in their specialized fields through unique and independent research activities as they acquire dual degrees.

016

Program	Students who completed program
Graduate minors	_
Dual Degree Program	_
Progressive graduate minors	_
Tokyo Tech-Tsinghua University Joint Graduate Program	8

### Tokyo Tech-Tsinghua University Joint Graduate Program

Tokyo Tech and Tsinghua University in China offer joint graduate programs to cultivate highly competent scientists and engineers who are familiar with the culture and customs of both Japan and China. Proficient in Chinese and Japanese, these individuals contribute to the development of science, technology, industry, and economy in both countries.

#### Progressive graduate minors

Progressive graduate minors are transversal, flexible programs that address the latest technological and social challenges. Utilizing the most up-to-date educational methods, they aim to equip students with practical skills through collaboration between various graduate majors. A certificate is awarded upon completion of a progressive graduate minor.

# International Graduate Program

### International Graduate Program

The International Graduate Program (IGP) offers all classes in English. Although students' specializations vary, many departments provide this program for courses related to international issues. Beyond their specializations, students can also take classes in education, culture, and the

11 8 Science 57 107 50 Materials and Chemical Technology 42 33 75 18 10 28 Computing 21 Life Science and Technology 15 36 50 88 38 **Environment and Society** 191 154 345

Japanese language, which enable students who seek employment in Japan after the completion of their studies to find a smooth career path. Excellent students are eligible for the Japanese Government (MEXT) Scholarships.

As of May 1, 2017

	AS U	† May 1, 2017
Master's program	Doctoral program	Total
67	78	145
11	21	32
39	59	98
8	8	16
5	7	12
130	173	303
321	327	648
	67 11 39 8 5	Master's program         Doctoral program           67         78           11         21           39         59           8         8           5         7           130         173

# Education & Research Programs

# Research Programs

# Features research platforms

### Earth-Life Science Institute (ELSI) established by the World Premier International Research Center Initiative (WPI)

ELSI was formed as part of the MEXT World Premier International Research Center Initiative (WPI). It aims to answer key questions about the origin of life based on early Earth-life system research. To achieve this, ELSI strives to become a world research hub through its use of the Earth, planetary, and life sciences to create a new field — bioplanetology.

Term	Oct. 29, 2012 - Mar. 31, 2023
Program Director	Kei HIROSE

### • Tokodai Institute for Element Strategy (TIES) adopted by the MEXT Element Strategy Initiative to Form Core Research Center

TIES is the only facility in Japan funded by the MEXT Element Strategy Initiative to Form Core Research Centers for Electronic Materials. TIES aims to realize useful functions utilizing abundant elements, enhance industrial competitiveness in Japan, and develop alternative and novel functional materials without using rare earth elements.

Program Director Hideo HOSONO	

### Happiness Co-Creation Society through Intelligent Communications supported by the Center of Innovation (COI) program

Under the Center of Innovation Science and Technology-based Radical Innovation and Entrepreneurship Program (COI STREAM) launched by MEXT, this project aims to contribute to the vitality of all members of society, going beyond generational and cultural differences, through the implementation of intelligent communication vehicles.

Term	Apr. 1, 2015 - Mar. 31, 2022 (tentative)
Project Leader	Shigeyuki AKIBA
Research Leader	Shunri ODA

### Innovative research initiatives

Objective	Name	Program director	Title and affiliation	
Promotion of Green Innovation	Value-Added Remote Sensing	Masahiro YAMAGUCHI	Professor, School of Engineering	
Grobal Socio-Economic Studies of Energy and Envurinment after the post Paris agreement in grobal and Japan	Global Socio-Economic Studies of Energy and Environment: Tackling with global challenges	Koji TOKIMATSU	Associate Professor, School of Environment and Society	
Exploitation of new applications with spin-related electronic and photonic devices	Promotion of Spintronics Research	Hiro MUNEKATA	Professor, Institute of Innovative Research	
(1)Real time Al systems (2)Basic Al technoligies for social systems	Research group on AI foundations for smart society	Katsumi NITTA	Professor, School of Computing	
(3)Evaluation technologies for reliability in CPS	Research group on Ai foundations for Smart Society	Takao TERANO	Professor, School of Computing	
Realization of Future Continuable Health Society	Research Group for Future Sports and Health Science	Nobuhiro HAYASHI	Associate Professor, School of Life Science and Technology	
IV system reform toward innnovations	Innovation Center for Materials Science and Engineering	Yuji WADA	Professor, School of Materials and Chemical Technology	
Study of Signal Processing and Network Technologies for Advanced Radio Systems	Mobile Communications Research Group (MCRG)	Jun-ichi TAKADA	Professor, School of Environment and Society	
Development of Computational Drug Discovery Platform for Middle Molecule	Middle Molecule IT-based Drug Discovery Laboratory (MIDL)	Yutaka AKIYAMA	Professor, School of Computing	

### Collaborative research chairs

As of May 1, 2017

As of Ma				
Name	Collaborator			Research theme
Collaborative Research Division for Information Distribution Platform System	NTT Communications Corporation	Apr.1, 2010-Mar.31, 2018	Institute of Innovative Research	Research on Information Distribution Platform System
Tokyo Gas collaboration Research Unit	Tokyo Gas Co., ltd	Apr.1, 2010-Mar.31, 2018	Institute of Innovative Research (AES Center)	Smart Energy Network toward a Low Carbon Society
ENEOS Collaboration Research Unit	JX Nippon Oil & Energy Corporation	Apr.1, 2010-Mar.31, 2018	Institute of Innovative Research (AES Center)	Low Carbon Emission Energy Systems
Mitsubishi Corp .Collaboration Research Unit	Mitsubishi Corporation	Apr.1, 2010-Mar.31, 2018	Institute of Innovative Research (AES Center)	Renewable Energy Utilization
NTT Facilities Collaboration Research Unit	NTT Facilities, Inc.	Apr.1, 2010-Mar.31, 2018	Institute of Innovative Research (AES Center)	Smart Energy Network in Next-generation Communities
Toshiba Collaborative Research Division for Smart City Infrastructure	Toshiba Corporation	July.1, 2013-June.30, 2018	Institute of Innovative Research (AES Center)	Research on Integrated Solutions for Smart City Infrastructure
Collaborative Research Division for 3D Ultrahigh- Integrated Exascale Systems	PEZY computing K.K.	Apr.1, 2014-Mar.31, 2019	Institute of Innovative Research	Collaborative Research on 3D Ultrahigh-Integrated Exascale Systems
Center for TDB Advanced Data Analysis and Modeling (TDB-ADAMS)	Teikoku Databank, Ltd.	Oct.31, 2014-Mar.31, 2019	Interdisciplinary Graduate Science and Engineering	Big Data Analysis and Mathematical Modeling of Business
Komatsu-Tokyo Tech Joint Research Program for Innovative Technologies of Construction Machinery	Komatsu Ltd.	Apr.1, 2015-Mar.31, 2018	School of Engineering	Research on Tribological Technologies in Construction and Mining machinery
Hitachi-Integration Control System of energies	Hitachi Ltd.	Oct.1, 2015-Sep.30, 2017	Institute of Innovative Research (AES Center)	Integration Control System of plural energies including renewable energy
Gurunavi collaboration Research Unit	Gurunavi, Inc	June.1, 2016-May.31, 2019	School of Life Science and Technology	Research on Japanese food culture and microbiome
Input Output Cryptocurrency Collaborative Research Chair	Input Output JP KK	Jan.1, 2017-Dec.31, 2018	Institute of Innovative Research	Research on modern decentralized cryptocurrencies
Collaborative Research Division Program on Future Cementitious Materials	①Taiheiyo Cement Corporation ②Denka Company Limited	Apr.1, 2017-Mar.31, 2020	School of Materials and Chemical Technology	Cementitious Materials for Sustainable Society
Softbank Mobile Communication Networks Collaboration Research Unit	SoftBank Corp	Apr.1, 2017-Mar.31, 2020	School of Engineering	Research and Development on Next-Generation Mobile Communication Technologies
Real-scale Experimental Mechanics Laboratory	®OILES Corporation @XYSB Corporation @SWCC SHOWA CABLE SYSTEMS Co., Ltd @The Japan Iron and Steel Federation ®Bridgestone Corporation	Apr.1, 2017-Mar.31, 2020	Institute of Innovative Research	A Study on the World's Largest System for Tri-axial Dynamic Tests

# Industry Relations

### **Industry Relations**

As of May 1, 2017

## Organizational alliances

Industry	Company Name	Date of agreement	Theme
Fujitsu Laboratories Ltd.		Jan. 21, 2004	Information Technology
	Mitsubishi Chemical Corporation	Jan. 22, 2004	Chemical Process and New Functional Materials
	Mitsubishi Electric Corporation	Feb. 27, 2004	Future Technology
Manufacturing companies	Canon Inc.	Aug. 2, 2005	Advanced Materials and Imaging Technology
	Hitachi, Ltd.	Jul. 1, 2011	Next-Generation Technologies for Social Innovation
	TDK Corporation	Jan. 21, 2015	Magnetic and Magnet Technology
	Komatsu Ltd.	Apr. 1, 2015	Construction Machinery Required in the Future
	Sumitomo Mitsui Banking Corporation	Oct. 1, 2004	Technology Matching
Non-Manufacturing	Nippon Telegraph and Telephone Corporation	Sept. 10, 2008	Research and Development Information and Telecommunications
companies	Nomura Research Institute, Ltd.	Sept. 22, 2008	Research and Development on Service Innovation
	Nomura Securities Co., Ltd.	Sept. 1, 2013	Commercialization of Research Results and Intellectual Property
Non-Profit	Kanagawa Academy of Science and Technology	Apr. 2, 2007	R&D for Industrial Development and Fostering R&D Human Resources
organization	Japan Labour Health and Safety Organization, Tokyo Rosai Hospital	Apr. 1, 2014	Cooperation between the Medical Sciences and Engineering to Contribute to Progress in Medicine, Science, and Industry

### Education and Research Co-Creation Program

Under a partnership agreement with Nomura Research Institute (NRI), Tokyo Tech promotes world-leading research and education in cyber security through the NRI & Tokyo Tech Cyber Security Education and Research Co-Creation Program.

Apr. 1, 2016 - Mar. 31, 2018

launched a venture capital fund focused on investing in Tokyo Tech-related
startups in September 2016.

Support for startup companies

Under a partnership agreement with Innovations and Future Creation Inc.

May 13, 2016 -

(Mirai), the Institute created a platform to generate and foster startups utilizing

Tokyo Tech's technologies and personnel, and to promote industry-academia collaboration, international activities, and entrepreneurship education. Mirai

FY 2016 intellectual property management

No. of inventions reported	No. of domestic patent applications (University + TLO)	No. of licenses assigned with payment (University + TLO)	Amount of licenses assigned with payment (University + TLO) (thousand yen)
267	200	116	58,270

# **Industry Relations**

Companies designated as Tokyo Tech Ventures

Approved on	Company	Summary of business		Established o
Jan. 9, 2003	Nippon CAD Co., Ltd.	Manufacture, construction and maintenance of mechanical and computer systems for golf driving ranges, such as chain conveyors for ball trolleys and the tee up devices.	3	Apr. 28, 1977
Jan. 9, 2003	OKK, Inc.	Development and sales of original products featuring measurement with an optical technology.	3	Apr. 11, 1981
Jan. 9, 2003	Brain Functions Laboratory, Inc.  Development and sales of Emotion Spectrum Analyser (ESA), a system to display emotion quantitatively through EEG-analysis.		2	Feb. 1, 1994
Jan. 9, 2003	New Technology Management Co., Ltd.	lanagement Co., Ltd. R&D of Electro-Conjugate Fluid (ECF) technology and its industrial applications. 2		Jul. 21, 1995
Jan. 9, 2003	Tytemn Corporation	Sales, manufacturing, and R&D of high performance slurries for silicon water final polishing and for CMP in IC processing.	2	Apr. 3, 1996
Jan. 9, 2003	DINO Co., Ltd.	Development and sales of computer software.	3	Aug. 14, 199
Jan. 9, 2003	Fu's Lab Co., Ltd.	Development & planning of 3-D camera systems, image storage systems, and image processing software for improvement and restoration.	2 3	Jul. 30, 1999
Jan. 9, 2003	EcoMEET Solutions Co., Ltd.	Basic planning and optimum design for industrial waste disposal process and facilities based on the system of waste gasification and power generation as the core technologies.	1 2	Jul. 25, 2000
Jan. 9, 2003	Optical Comb, Inc.	Development, manufacturing and sales of Optical Frequency Comb Generators and related services.	1	Apr. 1, 2002
Jan. 9, 2003	GenoMembrane, Inc.	Gene cloning, gene expression and functional analysis of drug transporters.	1 2	Apr. 1, 2002
Jan. 9, 2003	Aphoenix, Inc.	Drug discovery, development and production based on SG bead technology.	1	Apr. 10, 200
Jan. 9, 2003	ai-Phase Co., Ltd.	Manufacture and sales of thermal property measurement systems and thermal analysis systems. High quality services for supplying thermal property measurement and thermal analysis.	1 2	Apr. 16, 200
May 12, 2003	Micro Energy, Ltd.	Development, manufacture and sales of gasification power generation systems using industrial waste as fuel.	1	Apr. 9, 200
Jul. 15, 2003	Connectous Co.	Consulting and training for information systems.	3	Dec. 20, 200
Jul. 15, 2003	Thin-Film Process Soft, Inc.	Development of thin film manufacturing processes for LC and PDP, and device sales.	2	Jul. 7, 2000
May 18, 2004	HiBot Corporation	Research, development and sales of robots.	2	Apr. 15, 200
Jun. 15, 2004	Tokyo Geotech Co., Ltd	Development, production and sales of subsoil-behavior-analysis and simulation software DACSAR.  Construction of civil engineering/architecture structures and the analysis of subsoil in natural disasters.	1 2 3	May 18, 200
Aug. 9, 2004	TRIONSITE	Support of industry promotion policies taken by local governments with planning and implementation. Surveys, consulting, and the establishment/sales/operation of websites.	2 3	Jul. 2, 2004
Sept. 13, 2004	eCompute Corporation	Provides software consulting and development, specializing in image processing, virtual reality and the Linux system.	1 2	Jan. 15, 200
Sept. 13, 2004	Tokyo Tech Engineering Solutions, Inc.	Survey, planning, design, safety-check, monitoring, and retrofit of construction products.	2 3	Jul. 22, 200
Sept. 13, 2004         mimi.inc         Development and sales of application software for cellular phones.		Development and sales of application software for cellular phones.	3	May 18, 200
Nov. 2, 2004	Luvina Software Company	Software development and operation. Consulting on investments in Vietnam.	3	Aug. 6, 200
Dec. 13, 2004	HUB Networks, Inc.	Development of software and hardware control systems.	2 3	Apr. 10, 200
Aug. 29, 2005	Chimeraworks	Software development, sales, and management. R&D in information technology and medical devices.	3	Aug. 4, 200
Oct. 11, 2005	Interlocus, Inc.	R&D, sales and education for CAD, CAM, CAE and CG systems. Provision of engineering services and/or solutions.	1 2	Sept. 9, 200
Oct. 11, 2005	Kawazoe Frontier Technology, Co., Ltd.	R&D of materials technology and technology consulting services on hydrogen energy systems.	2	Jan. 6, 2003
Dec. 6, 2005	AMSIS, Inc.	R&D, design, production and sales of semiconductor devices and modules for microwave- and millimeterwave- systems.	2	Oct. 11, 200
Feb. 27, 2006	Oisix Co., Ltd.	Online food retailing. Working with a network of dairies and alcoholic drink retailers.	3	Jun. 1, 2000
Mar. 14, 2006	Technovarth	Software development, sales, lease, and maintenance/management services.	3	Feb. 8, 200
Apr. 25, 2006	Kozo Zairyo Building Research Co., Ltd.	R&D and technology consulting services for the building of steel and seismic-resistant structures.	2	Oct. 1, 1986
Feb. 27, 2007	MERSTech, Inc.	Industrialization and commercialization of MERS-technology-based power electronics products and services. (MERS: Magnetic Energy Recovery Switch)	1	Jan. 15, 200
Apr. 2, 2007	iMott, Inc.	R&D and consultation for segmented-DLC coating technologies, coating services and patent licensing.	1	Feb. 8, 200
Apr. 2, 2007	PRESYSTEMS, Inc.	Sales and development of testing tools on software systems.	2	Feb. 1, 200
Jul. 23, 2007	PopLiberal, Inc.	Research, development and sales of computer software, primarily web applications.	3	May 25, 200
ept. 10, 2007	PhosMega Co., Ltd.	Development of medical and electronic measurement equipment, robots, and the manufacture and sales of prototype instrumentation and systems.	2	Aug. 10, 200

Approved on	Company	Summary of business	Type	Established on
Oct. 9, 2007	Visual Technology Laboratory, Inc.	Development and sales of simulation software for lighting design, color application and landscape design, as well as patent consultation.	1 2	Aug. 17, 2007
Nov. 19, 2007	Tech Engine Co., Ltd.	Information security and quality control.	3	May 1, 2007
Mar. 17, 2008	INFERRET JAPAN K.K.	Development of mobile-oriented applications based on technologies such as automatic speech recognition (ASR) and natural language processing (NLP). Special focus on carrier independent voice- and speech-enabled search applications.	2	Aug. 9, 2007
May 26, 2008	Inputex Corporation	Haptic/tactile interfaces. Licensing, development and sales of components, development tools and embedded systems for quick and flexible human-machine user interfaces.	1	Mar. 27, 2008
Oct. 6, 2008	Plasma Concept Tokyo, Inc.	Development, consultation and sales of atmospheric plasma sources.	2	Jul. 2, 2008
Nov. 17, 2008	MCX Corporation	Research, development, consultation and sales of energy supply systems and equipment.	2	Mar. 3, 2008
Mar. 6, 2009	EffecTech Institute of Strategy, Inc.	Strategy structuring for technology management, new business development, and investigative research for science and technology policies.	2	May 2, 2008
Mar. 6, 2009	MieruPC, Inc.	Development, manufacture and sales of computers and computer-related products.	2	Feb. 19, 2009
Sept. 18, 2009	NuSAC, Inc.	Surveys, research, education, personnel training, recruitment and proposals for solutions related to nuclear energy.	2	Apr. 28, 2009
Jan. 7, 2010	Bi2-Vision Co.	Sales of 'active stereo vision systems' for robotics researchers at universities and at public and private research institutes.	1	Aug. 28, 2009
Mar. 12, 2010	Meko Edu.	Educational guidance to overseas students, cram school operations, and advisory services for studying in Japan.	3	Apr. 2, 2009
Nov. 9, 2010	Techidea Corporation	R&D and sales of analog and RF CMOS circuit technology. Technology consulting and education.	1	Apr. 23, 2010
Dec. 3, 2010	Building Structure Institute	Research planning, experiment verification and product development for aseismic structures, vibration-controlled structures and isolated structures.	1 2	Sept. 17, 2010
Jul. 6, 2011	Resonic GmbH Subsidiary: Resonic Japan Ltd.	Sales and production of the measurement systems for rigid-body property identification and measurement services for rigid-body property identification.	1	Mar. 14, 2011
Nov. 28, 2011	Energy Storage Materials LLC	Research, development, production and sales of materials and devices for energy storage systems.	1	Aug. 10, 2011
Nov. 28, 2011	MedTech Hert, Inc.	Research, development, licensing contracts, sales, and export/import of medical devices and pharmaceuticals.	1	Aug. 22, 2011
Dec. 19, 2011	X Compass Ltd.	Development of technology to commercialize the learning of the artificial intelligence system SOINN; application business development.	1	Oct. 17, 2011
Jun. 11, 2012	Zetta Co., Ltd.	Development and sales of nanofiber-manufacturing machinery and nanocoating machinery for electrospray deposition (ESD) as well as research and development of applications using nanofiber and nanocoating technologies (carbon nanofibers, sea water desalination, drug delivery system (DDS) for plants etc.).	1	Nov. 11, 2011
Nov. 19, 2012	SolarFlame Corporation	Consultations for determining evaluation measures (procedures and methods) and the development of solar power generation, solar fuel production, and solar condensation.	1	Aug. 1, 2012
Dec. 13, 2012	SOINN Holdings LLC Subsidiary: SOINN Inc.	Technology consulting about a robot's intellectual control which utilizes the original imaging technology, "ICGM."	1	Nov. 1, 2012 Jul. 8, 2014
May 10, 2013	j-Scheme Limited Liability Company	Development of fluid analysis systems / Development of cloud graphics / Cloud application services / Scientific visualization / GPU computing / Consulting	1	Feb. 14, 2013
Jul. 23, 2013	forEst Co., Ltd.	Planning, development, distribution and sales of education contents and education support software. Planning, operation and management of events.	2	May 10, 2012
Jul. 23, 2013	Kachi-Labo Co., Ltd.	Cousulting, and real-estate assessment and product sales over the Internet. Leasing of real estate and property management.	1 2	Dec. 13, 2012
Jul. 23, 2014	Riverfield Inc.	Design, development, manufacturing and sales of medical equipment or Care and Welfare equipment based on intellectual property concerning surgical assist robot or pneumatically driven robot system.	1	May 20, 2014
Jun. 25, 2015	Metagen, Inc.	Intestinal environment analysis service based on the original technology of Metabologenomics™.	2	Mar. 18, 2015
Mar. 29, 2016	Lensy Inc.	Development, production, and sale of the monitor-equipped device able to interact with 2-dimensional characters.	2	Jul. 29, 2013
Mar. 29, 2016	Walk-Mate Lab Co., Ltd.	Comprehensive service provider of gait analysis and walk rehabilitation support for elderly people and Parkinson's disease patients.	1	Aug. 3, 2015
Apr. 25, 2016	s-muscle Co., Ltd.	R&D, manufacturing, sales, and technical consultation of pneumatically actuated McKibben-type artificial muscles.	1	Apr. 1, 2016
June 20, 2016	Ambition Photonics Inc.	Development, design, production, and evaluation of semiconductor components and integrated systems.	1	Oct. 15, 2015
Jul. 22, 2016	ITD Lab Corp.	Based on 3D distance measurement using stereo range imagery, manufacturing of and consultation on automobile collision prevention systems, self-driving systems, drones, and robot sensing systems.	1	May 6, 2016

Note 1-1: Former criteria (until Sept. 14, 2010)
Criteria 1: A company making use of any intellectual property owned by the staff or students of Tokyo Tech
Criteria 2: A company making use of any result or technology resulting from research activities at Tokyo Tech
Criteria 3: A company established by a student at Tokyo Tech or in which a student of Tokyo Tech is involved
Note 1-2: Present Criteria (after Sept. 15, 2010)
Criteria 1: A company making use of intellectual property owned by staff or students at Tokyo Tech and/or any outcome or technology resulting from research activities at Tokyo Tech
Criteria 2: A company established by a student at Tokyo Tech or in which a student of Tokyo Tech is involved
Note 2: Companies liquidated after conferral are not listed above.

### **Overseas Partner Universities**

# Academic cooperation agreements (on university-wide basis, 103 in total)

Country or region			
	Asia		
	Harbin Institute of Technology	1980	F·S·I
	Tsinghua University	1985	F·S·I
	Shanghai Jiao Tong University	1991	F·S·I
	Peking University	1991	F·S·I
	Xi'an Jiaotong University	1991	F·S·I
	Zhejiang University	1993	F·S·I
Thina	Beijing Institute of Technology	1993	F·S·I
	University of Science and Technology of China	1997	F·S·I
	Dalian University of Technology	2006	F·S·I
	Tongji University	2007	F·S·I
	Tianjin University	2007	F·S·I
	The Hong Kong University of Science and Technology	2010	F·S·I
	Southeast University	2013	F·S·I
ndia	Indian Institute of Technology Madras	2015	F·S·I
	Bandung Institute of Technology	1988	F·S·I
ndonesia	Universitas Indonesia	1992	F·S·I
	Universitas Gadjah Mada	2000	F·S·I
	Korea Advanced Institute of Science and Technology (KAIST)	1986	F·S·I
	Korea Institute of Science and Technology (KIST)	1991	F·I
	Korea University	1992	F·S·I
	Hanyang University	1996	F·S·I
orea	Yonsei University	2002	F·S·I
	Pohang University of Science and Technology	2003	F·S·I
	Seoul National University	2007	F·S·I
	Sungkyunkwan University	2008	F·S·I
	Mongolian University of Science and Technology	2003	F·S·I
Mongolia	National University of Mongolia	2007	F·S·I
	De La Salle University	1992	F·S·I
hilippines	University of the Philippines	1992	F·S·I
	National University of Singapore	1991	F·S·I
ingapore	Nanyang Technological University	2009	F·S·I
9	Singapore University of Technology and Design	2016	F·S·I
	National Cheng Kung University	1997	F·S·I
	National Tsing Hua University	1998	F·S·I
aiwan	National Taiwan University	1999	F·S·I
	National Chiao Tung University	2004	F·S·I
	National Central University	2007	F·S·I
	Chulalongkorn University	1985	F·S·I
	King Mongkut's Institute of Technology Ladkrabang	1992	F·S·I
	Thammasat University	1996	F·S·I
	Kasetsart University	1996	F·S·I
	National Science and Technology Development Agency (NSTDA)	2001	F·S·I
hailand	King Mongkut's University of Technology North Bangkok	2001	F·S·I
	Asian Institute of Technology	2005	F · S · I
	TAIST - Tokyo Tech	2005	F · S · I
	King Mongkut's University of Technology Thonburi	2006	F · S · I
	, , ,		
	UNESCO Bangkok	2015	F·S·I
interne	Hanoi University of Science and Technology	1995	F·S·I
ietnam	Vietnam National University (VNU) University of Science	1995	F·S·I
	Ho Chi Minh City University of Technology	2012	F·S·I
	Middle East	****	
	Middle East Technical University	1992	F·S·I
urkey	Boğaziçi University	1998	F·S·I
	Istanbul Technical University	2012	F·S·I
	Africa		
gypt	Egypt-Japan University of Science and Technology (E-JUST)	2015	F·S·I
	Oceania		
ıstralia	The University of Melbourne	1994	F·S·I

Country or region	University / Institute	Concluded	Type of exchange
	North America		
Canada	University of Waterloo	2006	F·S·I
	The University of British Columbia	2013	F·S·I
	University of Washington	1974	F·S·I
	University of Wisconsin-Madison	1992	S
	Georgia Institute of Technology	2001	F·S·I
U.S.A.	University of California, Berkeley	2012	F·S·I
	University of Minnesota	2013	F·S·I
	University of California, Santa Barbara	2014	F·S·I
	Rice University	2015	F·S·I
	Central and South America		
Brazil	Universidade de São Paulo	1991	F·S·I
	Europe		
Austria	TU Wien	2015	F·S·I
Belgium	Ghent University	1992	F · S · I
Jeigiani	Université libre de Bruxelles (ULB)	1994	F·S·I
Denmark	Technical University of Denmark	1992	F·S·I
Cilliaik	University of Copenhagen	2007	F·S·I
Finland	Aalto University	1995	F·S·I
iiiidilu	Lappeenranta University of Technology	1999	F·S·I
	École Nationale des Ponts et Chaussées (École des Ponts ParisTech) *	1992	F·S·I
	École Nationale Supérieure d'Arts et Métiers (Arts et Métiers ParisTech) *	2002	F·S·I
	University of Rennes 1	2002	F·S·I
France	Université de Strasbourg	2004	F·S·I
	École Polytechnique *	2006	S
	ParisTech **	2007	F·S·I
	École Nationale Supérieure des Mines de Paris (Mines ParisTech) *	2007	F·S·I
	Technische Universität München	1982	F·S·I
	Universität Stuttgart	1992	F·S·I
Germany	Leibniz Universität Hannover	2004	F·S·I
,	RWTH Aachen University	2007	F·S·I
	Berlin Institute of Technology	2008	F·S·I
	University of Bologna	1997	F·S·I
taly	The University of Rome "La Sapienza"	1998	F·I
iy	Politecnico di Milano	2002	F·S·I
Netherlands	Delft University of Technology	2002	F · S · I
Norway	Norwegian University of Science & Technology	1993	F·S·I
Russia	National Research Nuclear University	1993	F·S·I
NU JJIU		1993	F·S·I
Sweden	Royal Institute of Technology (KTH)  Chalmers University of Technology	1991	F · S · I
oweueil	Chalmers University of Technology		F · S · I
	Linköping University  Swiss Endoral Institute of Tochnology Zwish (ETH)	2008	
	Swiss Federal Institute of Technology, Zurich (ETH)	1978	F · S · I
Switzerland	University of Zurich	2007	F·S·I
	École Polytechnique Federale de Lausanne (EPFL)	2011	F·S·I
	University of Geneva	2015	F·S·I
	University of Strathclyde	1993	F·S·I
	Churchill College, University of Cambridge	2001	F·I
U.K.	University of Durham	2010	F·S·I
	Imperial College London	2016	F·S·I
	University of York	2016	F·S·I
	Multi-Regional Consortiums		
	ERASMUS MUNDUS EASED	2013	F·S·I

[Type of Exchange] F: Faculty and researcher exchange, S: Student exchange I: Academic information exchange

# Academic cooperation agreements (on school-wide basis, 115 in total)

Countries					Tokyo	Tech count	erpart					Type of
								ILA				Type of exchange
				Asia								
	University of Science and Technology, Beijing		0	0			0				1980	F·I
	Tsinghua University (Institute of Science, Technology and Society)						0	$\circ$			2001	F·S·I
	Nanjing University of Science and Technology (School of Mechanical Engineering)		0	0			0				2009	F·S·I
	Beijing Normal University (College of Water Sciences)						0				2011	F·S·I
	Shanghai Jiao Tong University (School of Life Sciences and Biotechnology)					0					2011	S
	Nanjing University (Graduate School)		0	0			0				2012	F·S·I
China	Chinese Academy of Sciences (Shanghai Institute of Ceramics)								0		2012	F·S·I
	Tongji University (College of Civil Engineering)		0	0			0				2014	F·S
South Archit Wuha of Adv	South China University of Technology (School of Architecture)						0				2016	F·S·I
	Wuhan University of Technology (State Key Laboratory of Advanced Technology for Materials Synthesis and Processing)			0							2016	F·S·I
	Southeast University (School of Architecture) and East China Architectural Design & Research Institute						0				2016	F·S·I
Indonesia	Indonesian National Atomic Energy Agency								0		1997	F·I
illuullesia	Ahmad Dahlan University (Faculty of Pharmacy)	0									2016	F·S·I
	Inha University (Department of Chemical Engineering)		0	0			0				2000	F·S·
	Chungnam National University (Department of Architectural Engineering, College of Engineering)		0	0			0				2012	F·S·
Korea	Korea Institute of Industrial Technology (Technical Textile Technology Center, Gyeonggi Regional Division)		0	0			0				2012	F·S·
_	Seoul National University (Department of Nuclear Engineering, Center for Advance Research in Fusion Reactor Engineering)								0		2012	F·S·I
	Korea Advanced Institute of Science and Technology (KAIST) (Department of Mechanical Engineering)		0								2016	S
Laos	Government of Luang Prabang, Lao PDR, Department of Heritage Luang Prabang									GSIC	2006	F·I
	Universiti Tenega Nasional (Department of Electrical Power Engineering, Department of Electronics and Communication Engineering)		0	0			0				2012	F·S·I
Malaysia	The National University of Malaysia (Faculty of Science and Technology)								0		2014	F·S·I
	Universiti Tenega Nasional (College of Engineering)								0		2014	F
Mongolia	National University of Mongolia (Nuclear Research Center)								0		2011	F·S·I
	Mongolian State University of Education		0	0			0			GSIC	2014	F·S·I
	De La Salle University (Department of Chemical Engineering)		0	0			0				2005	F·S·I
Philippines	The Technological University of the Philippines (College of Engineering)		0	0			0				2010	F·S·I
	MSU-Iligan Institute of Technology (College of Engineering)		0	0			0				2013	F·S·I
	National Taiwan University (College of Engineering, College of Electrical Engineering and Computer Science)		0	0			0				2011	S
	National Chiao Tung University		0								2015	S
Taiwan	National Taiwan University of Science and Technology (College of Engineering, College of Electrical Engineering and Computer Science)		0	0			0				2015	F·S·I
	National Chiao Tung University (College of Engineering)								0		2017	F
	Industrial Technology Research Institute (Electronic and Optoelectronic System Research Laboratories)								0		2017	F·I
Thailand	Thammasat University (Chemical Engineering Department, Faculty of Engineering)		0	0			0				2006	F·S·I

Note: Science: School of Science, Engineering: School of Engineering, Mat. and Chem. Tech.: School of Materials and Chemical Technology, Computing: School of Computing, Life Sci. and Tech.: School of Life Science and Technology, Envir. and Society: School of Environment and Society, ILA: Institute for Liberal Arts, IIR: Institute of Innovative Research, GSIC: Global Scientific Information and Computing Center, CITL: Center for Innovative Teaching and Learning
[Type of Exchange] F: Faculty and researcher exchange, S: Student exchange, I: Academic information exchange

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Notes: \*French "grandes écoles" (advanced higher education institutions)
\*\*Institution created by the grandes écoles of science and technology in Paris. (10

### Overseas Partner Universities

# Academic cooperation agreements (on school-wide basis, 115 in total)

Country or region											
region											
				Asia							
	Chulalongkorn University (Faculty of Engineering)								GSIC	2007	F·I
Thailand	Thailand Institute of Nuclear Technology							0		2011	F·I
IIIdiidiiu	Chiang Mai University (Faculty of Engineering)		0	0			0			2012	F·S·I
	Ministry of Transport (Department of Rural Roads)		0	0			0			2015	F
	Vietnam Atomic Energy Commission							0		1999	F·I
Vietnam	Vietnam National University (VNU) University of Science (Department of Physics)							0		2003	F·S·I
	Electric Power University							0		2011	F·I
			Mi	iddle East							
Saudi Arabia	King Abdllah University of Science and Technology (Extreme Computing Research Center)								GSIC	2017	F·I
	(amount of the party)	<u> </u>		Africa	<u> </u>	<u> </u>		l			
Egypt	Assiut University							0		2010	F·I
			(	Oceania							
Australia	Royal Melbourne Institute of Technology (School of Architecture and Design, Faculty of Infrastructure and Environment)		0	0			0			1999	F·S·I
	Curtin University (Department of Civil Engineering)								GSIC	2012	F·S·I
			Nor	th America							
	Massachusetts Institute of Technology (Department of Mechanical Engineering)		0	0			0			1991	F·S·I
	Massachusetts Institute of Technology (Center for Advanced Nuclear Energy Systems)							0		2006	F·S·I
-	Rice University (Richard E. Smalley Institute for Nanoscale Science & Technology)	0								2008	F·S·I
	University of California, Berkeley (Pacific Earthquake Engineering Research Center)							0		2008	F·S·I
	Pennsylvania State University (Department of Materials Science and Engineering)		0	0			0			2009	F·S·I
	University of Wisconsin-Madison (College of Engineering)		0	0			0			2010	S
	University of Hawaii at Manoa (Mechanical Engineering)		0	0			0			2011	F·S·I
	The University of Nevada, Reno (Center for Civil Engineering Earthquake Research)							0		2011	F·S·I
U.S.A.	Northwestern University (Department of Civil and Environmental Engineering)		0	0			0			2012	F·S·I
	Massachusetts General Hospital, Department of Pathology								GSIC	2013	F·I
	University of California, Santa Barbara (College of Engineering)		0	0			0			2014	S
	University of California, Irvine (Henry Samueli School of Engineering)							 0		2014	F·S
	University of Tennessee, Knoxville (Innovative Computing Laboratory)								GSIC	2014	F·S·I
	Toyota Technological Institute at Chicago (TTIC)				0					2015	F·S·I
	Princeton University (Princeton Institute for Computational Science & Engineering)								GSIC	2016	F·S·I
	Johns Hopkins University (Whiting School of Engineering)									2016	ı
	The University of California (Berkeley Center for Teaching								CITL	2016	F·I
	and Learning/Educational Technology Services)		Control	d Court 1	avies.				CITE	2010	
Peru	San Marcos National University (Faculty of Physical Sciences)		Central an	nd South Am	erica			0		2014	F·S·I
				Europe							
Austria	Vienna University of Technology (Faculty of Mathematics and Geoinformation)	0								2014	F·S·I
	École d'Architecture de Paris la Villette		0	0			0			2000	S
France	Centre National de la Recherche Scientifique (CNRS), Conditions Extrêmes et Matériaux: Haute Température et Irradiation (CEMHTI)							0		2008	F·S·I

											Type of	
								ILA				
				Europe								
	Ecole National des Ponts et Chaussees (Ecole des Ponts ParisTech)		0	0			0				2010	S
	Université Pierre et Marie Curie		0	0			0				2012	S
	Université d'Aix-Marseille (Physique des Interactions Ioniques et Moléculaires (PIIM))								0		2012	F·S·I
	Université Paris-Sud 11 (The Light-Matter Federation (LUMAT))								0		2012	F·S·I
France	Ecole Centrale Paris (Laboratoire Structures, Propriétés, Modelisation des Solids)								0		2012	F·S·I
Trance	Grenoble Institute of Technology		0	0			0				2012	F·S·I
-	Laboratoire d'Electronique et des Technologies de l'Information (CEA-LETI) (Silicon Components Division, Silicon Technologies Division)		0	0			0				2014	F·S·I
	Centre National de Recherche Scientifique (CNRS), Commissariat à l'Energie Atomique et aux Energies Alternatives (CEA), Universite Paris Sud, RIKEN Nishina Center for Accelerator Based Science	0									2015	F·I
	Laboratoire national de métrologie et d'essais, France (LNE)			0							2016	F·S·I
	Paul-Drude-Institut Berlin		0						0		1994	F·I
	Ludwig-Maximilians-Universität München (Human Science Center and Institute of Medical Psychology)				0						2001	F·S·I
Germany _	RWTH Aachen University (Faculty of Mathematics, Computer Science and Natural Sciences, Faculty of Civil Engineering, Faculty of Mechanical Engineering, Faculty of Georesources and Materials Engineering, Faculty of Electrical Engineering and Information Technology)		0	0			0				2012	S
	Hamburg University of Technology (Faculty of Management Science and Technology)						0				2012	F·S·I
	RWTH Aachen University (Institute of Textile Technology )		0	0			0				2015	F·S·I
Ka	Karlsruhe Institute of Technology (Institute for Nuclear Waste Disposal)			0					0		2016	F·S·I
	Deutsches Zentrum fiir Luft- und Raumfahrt e. V. (DLR)- (German Aerospace Center)			0							2016	F·S·I
Iceland	Reykjavik University (School of Computer Science)				0						2014	F·S·I
	University of Messina (Department of Engineering)								0		2013	F·S·I
Italy	University of Genoa (Polytechnic School)			0							2016	F·S·I
,	Consiglio Nazionale delle Ricerche (Institute of Condensed Matter Chemistry and Technologies for Energy)			0							2016	F·S·I
	Al-Farabi Kazakh National University (Chemistry Faculty)		0	0			0				2006	F·S·I
Kazakhstan	Kazakh-British Technical University (Faculty of Energy and Oil and Gas Industry)		0	0			0				2006	F·S·I
Lithuania	Kaunas University of Technology								0		2013	F·I
	Leiden University (Faculty of Science)	0									2012	F·S·I
Netherlands	Eindhoven University of Technology (Department of Mechanical Engineering)		0	0			0				2013	F·S·I
Norway	Norwegian University of Science & Technology (NTNU) (Faculty of Natural Sciences and Technology), Hydro Aluminium R&D Center, Stiftelsen SINTEF by its Institute of Materials and Chemistry, University of Toyama			0							2016	F·S·I
	Institute of Electron Technology		0	0			0				2014	F·S·I
Poland	University of Warsaw (Faculty of Chemistry)								0		2014	F·S·I
	University of Warsaw (Faculty of Chemistry)			0							2016	F·S·I
Russia	Boreskov Institute of Catalysis (BIC)								0		2008	F·I
Serbia	University of Belgrade (Vinca Institute of Nuclear Sciences)								0		2011	F·S·I
Slovenia	University of Ljubljana (Faculty of Arts)		0	0			0				2007	F·S·I

Note: Science: School of Science, Engineering: School of Engineering, Mat. and Chem. Tech.: School of Materials and Chemical Technology, Computing: School of Computing, Life Sci. and Tech.: School of Life Science and Technology, Envir. and Society: School of Environment and Society, ILA: Institute for Liberal Arts, IIR: Institute of Innovative Research, GSIC: Global Scientific Information and Computing Center, CITL: Center for Innovative Teaching and Learning
[Type of Exchange] F: Faculty and researcher exchange, S: Student exchange, I: Academic information exchange

1,126

million yen

# International Collaboration

### **Overseas Partner Universities**

As of May 1, 2017

# Academic cooperation agreements (on school-wide basis, 115 in total)

					Tokyo	Tech count	erpart				_ ,
			E	Europe							
	Universidad Politecnica de Madrid		0	0			0			2010	F·S·I
Spain	University of Granada	0								2012	F·S·I
	Universidad Politecnica de Madrid		0	0			0			2012	S
	Luleå University of Technology (Faculty of Engineering)		0	0			0			2012	F·S·I
Sweden	Uppsala University (Faculty of Science and Technology)	0	0	0			0			2016	F·S·I
	Jonkoping University (School of Engineering, Materials and Manufacturing)			0						2016	F·S·I
	University of Cambridge (Department of Engineering)		0	0			0			2005	S
	University of Oxford (Department of Engineering Science)		0	0			0			2006	S
	University of Warwick (School of Engineering)		0	0			0			2007	S
	University of Oxford (Department of Chemistry)		0	0			0			2008	S
U.K.	University of Cambridge (Department of Chemistry)		0	0			0			2008	S
	University of Oxford (Department of Materials)		0	0			0			2008	S
	University of Manchester (Photon Science Institute, School of Chemistry)							0		2011	F·S·I
	University of Southampton		0	0			0			2011	F·S·I
	National Physical Laboratory (Materials Division)		0	0			0			2013	F·S·I
Consortium	EUJEP2 (European Nuclear Education Network Association, Institute for Nuclear Sciences and Technologies, University Politehnica Bucharest (Faculty of Power Engineering), Academy for Nuclear Science and Technology (Center for Nuclear Research), Kyoto University (Graduate School of Engineering, Graduate School of Energy Science), University of Fukui (Graduate School of Engineering), Japan Atomic Energy Agency (Nuclear Human Resource Development Center))		0	0			0			2015	S
			Multi-Regio	onal Consort	tiums						
Asia-Oceania T	op University League on Engineering (AOTULE)		0	0			0			2007	F·S·I
UT-Battelle, LL Swiss Federal I	C nstitute of Technology, Zurich								GSIC	2016	F·I

Note: Science: School of Science, Engineering: School of Engineering, Mat. and Chem. Tech.: School of Materials and Chemical Technology, Computing: School of Computing, Life Sci. and Tech.: School of Life Science and Technology, Envir. and Society: School of Environment and Society, ILA: Institute for Liberal Arts, IIR: Institute of Innovative Research, GSIC: Global Scientific Information and Computing Center, CITL: Center for Innovative Teaching and Learning
[Type of Exchange] F: Faculty and researcher exchange, S: Student exchange, I: Academic information exchange

# **Overseas Offices**

As of May 1, 2017

Name	Location / Area	Establishment
Tokyo Tech Thailand Office	Pathum Thani, Thailand	2002
Tokyo Tech Philippines Office	Manila, Philippines	2005
Tokyo Tech China Office	Beijing, China	2006
Tokyo Tech Egypt E-JUST Office	Alexandria, Egypt	2014

# Budget FY2017

Financial Data

### Revenue

Category	Amount (million yen)	%	Category	Amount (million yen)	%		
			Operating grants	19,181	42.0		
Institute-wide	27,476	60.0	Institute revenue (tuition and fees)	6,463	14.1	Commissioned projects  Obonations for research	832
			Indirect expenses	1,832	4.0	OGrants for commissioned research & projects OGrants for collaborative research	5,852 1,393
Schools	1,056	2.3	Indirect expenses	1,056	2.3	OGrants for research	6,417
			Commissioned projects	14,494	31.7		million yen
Specified contributions	17,230	37.7	Facility subsidies	480	1.0		
			Operating grants	2,256	4.9	•	
Total				45,762	100.0	OSubsidies for functional enhancement OSubsidies for promoting functional	1,002
						enhancement	128

Expenditure

Category	Amount (million yen)		Category	Amount (million yen)	%		
	Personnel		Personnel	16,882	36.9		
la dibata mida	27.476	60.0	Fundamental education and research for Schools	7,767	17.0		
Institute-wide	27,476	60.0	Discretionary expenses by the president	1,236	2.7	Commissioned projects	
			Utility	1,591	3.5	OResearch donations OCommissioned research & projects OCollaborative research expenses	832 5,852 1,393
Schools	1,056	2.3	Indirect expenses	1,056	2.3	OGrants for research	6,417
			Commissioned projects 14,494 3:		31.7		million yen
Specified contributions	17,230	37.7	Facilities maintenance	480	1.0		
			Operating grants	2,256	4.9		
Total				45,762	100.0	OSubsidies for functional enhancement	1,002
						OSubsidies for promoting functional enhancement	128
						OSubsidies for specific reasons (incl. retirement allowance)	1,126

Tokyo Institute of Technology

OSubsidies for specific reasons

(incl. retirement allowance)

### Financial Summary FY2016

### **Balance sheet**

	Amount (million yen)
Fixed assets	213,592
Tangible fixed assets	207,141
Land	138,965
Accumulated impairment loss	(5)
Buildings	93,289
Accumulated depreciation	(44,528)
Structures	6,393
Accumulated depreciation	(3,619)
Equipment	54,600
Accumulated depreciation	(46,257)
Construction in progress	269
Other tangible fixed assets	8,036
Intagible fixed assets	439
Investments and other assets	6,010
Investments in securities	4,697
Long-term deposits	1,300
Investments and other assets	13
Current assets	12,515
Cash and cash equivalents	4,034
Marketable securities	7,220
Other current assets	1,261

Note: Fractional amounts less than one million yen are

Total assets

As	of	March	31,	20	1	7

,	AS OF March 31, 2017
Liabilities	Amount (million yen)
Fixed liabilities	23,800
Assets offsetting liabilities	22,964
Other noncurrent liabilities	836
Current Liabilities	19,711
Operating grants received	1,056
Donations received	11,526
Commissioned research funds received	601
Collaborative research funds received	514
Commissioned projects funds received	153
Accounts payable	3,864
Other current liabilities	1,994
Total liabilities	43,511
	Amount (million yen)
Capital stock	179,444
Government investment	179,444
Capital surplus	2,488
Capital surplus	48,437
Accumulated depreciation not included in profit and loss statement (-)	(45,949)
Earned surplus	630
Surplus carried forward from the previous period for the mid-term objectives	411
	411 218
period for the mid-term objectives	
period for the mid-term objectives Unappropriated retained earnings Valuation difference on available-for-sale	218

### Income statement

Financial Data

April 1, 2016 - March 31, 20			
	Amount (million yen)		
Ordinary expenses (A)	45,218		
Operating expenses	42,594		
Expenses for education	3,720		
Expenses for research	6,144		
Expenses for education and research support	2,749		
Expenses for commissioned research	6,639		
Expenses for collaborative research	1,325		
Expenses for commissioned projects	436		
Executive salaries & remuneration	116		
Faculty salaries & remuneration	14,079		
Administrative staff salaries & remuneration	7,383		
General and administrative expenses	2,545		
Financial expenses	24		
Miscellaneous losses	53		
Ordinary revenues (B)	45,047		
Operational grants	19,881		
Tuition and fees	5,467		
Grants for commissioned research	7,985		
Grants for collaborative research	1,696		
Grants for commissioned projects	495		
Donations	1,204		
Grants	2,566		
Subsidy for facitlities	61		
Other	5,688		
Extraordinary profit and loss (C)	146		
Reversal of reserve for specific purposes (D)	242		
Gross profit (B-A+C+D)	218		

Note: Fractional amounts less than one million yen are

### FY 2016 external funds

	Number of projects	Research funds (thousand yen)
Donations for education and reseach	502	741,034
Sponsored research	417	7,109,387 (1,219,710)
Commissioned projects	61	542,244 (5,645)
Collaborative research	541	1,812,646 (390,667)
Grants-in-Aid for Scientific Research	1,145	4,865,289 (1,089,579)
Other	46	2,728,323 (39,932)
Total	2,712	17,798,923 (2,745,533)

Note: Figures in parentheses represent overhead costs included in the research

# FY2016 Tokyo Tech Fund

Gifts	Total amount received (thousand yen)		
2,490	3,292,563		

# Grants-in-Aid for Scientific Research FY 2016

	Number of projects	Research funds (thousand yen)	
Grant-in-Aid for Specially Promoted Research	3	352,170	(81,270)
Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area)	100	1,252,030	(288,930)
Grant-in-Aid for Scientific Research (S)	7	271,050	(62,550)
Grant-in-Aid for Scientific Research (A)	65	639,080	(147,480)
Grant-in-Aid for Scientific Research (B)	177	886,730	(204,630)
Grant-in-Aid for Scientific Research (C)	193	281,359	(64,929)
Grant-in-Aid for Challenging Exploratory Research	159	254,150	(58,650)
Grant-in-Aid for Young Scientists (A)	50	360,230	(83,130)
Grant-in-Aid for Young Scientists (B)	155	221,000	(51,000)
Grant-in-Aid for Research Activity Start-up	17	23,270	(5,370)
Grant-in-Aid for Encouragement of Scientists	4	1,680	(0)
Grant-in-Aid for JSPS Research Fellow	206	201,770	(13,770)
Fund for the Promotion of Joint International Research (Fostering Joint International Research)	6	75,400	(17,400)
Fund for the Promotion of Joint International Research (International Group)	3	45,370	(10,470)
Total	1,145	4,865,289	(1,089,579)

Notes: 1) Figures in parentheses represent overhead costs included in the research fund.
2) JSPS stands for the Japan Society for the Promotion of Science.

### Access

### Access

### Ookayama Campus

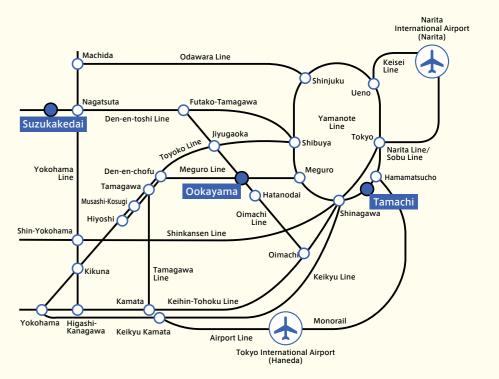
- ○1-minute walk from Ookayama Station on the Tokyu Oimachi & Tokyu Meguro Lines
- ○85 minutes from Narita Airport
- ○55 minutes from Haneda Airport
- ○30 minutes from Tokyo Station

### Suzukakedai Campus

- ○5-minute walk from Suzukakedai Station on the Tokyu Den-en-toshi Line
- ○130 minutes from Narita Airport
- ○70 minutes from Haneda Airport
- ○70 minutes from Tokyo Station

### Tamachi Campus

- O2-minute walk from Tamachi Station on the JR Yamanote & Keihin-Tohoku Lines
- ○65 minutes from Narita Airport
- ○35 minutes from Haneda Airport
- ○10 minutes from Tokyo Station



# **Tokyo Tech Facilities**

Location/Area	Facilities	Address	Transportation	Details
Ookayama	Ookayama Campus School of Science, School of Engineering, School of Materials and Chemical Technology, School of Computing, School of Life Science and Technology, School of Environment and Society, Institute for Liberal Arts, Institute of Innovative Research (Laboratory for Advanced Nuclear Energy), Administration Bureau	2-12-1 Ookayama, Meguro-ku, Tokyo 152-8550	Tokyu Oimachi & Tokyu Meguro Lines Approx. 1-minute walk from Ookayama Station	
	Tokyo Institute of Technology International House	1-1-18 Ishikawa-cho, Ota-ku, Tokyo 145-0061	Tokyu Oimachi & Tokyu Meguro Lines Approx. 10-minute walk from Ookayama Station Tokyu Ikegami Line Approx. 7-minute walk from Ishikawadai Station	
Suzukakedai	Suzukakedai Campus Institute of Innovative Research (Laboratory for Future Interdisciplinary Research of Science and Technology, Laboratory for Materials and Structures, Laboratory for Chemistry and Life Science)	4259 Nagatsuta-cho, Midori-ku, Yokohama, Kanagawa Prefecture 226-8503	Tokyu Den-en-toshi Line Approx. 5-minute walk from Suzukakedai Station	
Tamachi	Tamachi Campus Tokyo Tech High School of Science and Technology	3-3-6 Shibaura, Minato-ku, Tokyo 108-0023	JR Yamanote Line & Keihin-Tohoku Line Approx. 2-minute walk from Tamachi Station	
Matsukazedai	Shofu Gakusha Dormitory	21-13 Matsukazedai, Aoba-ku, Yokohama, Kanagawa Prefecture 227-0067	Tokyu Den-en-toshi Line Approx. 15-minute walk from Aobadai Station	
Umegaoka	Umegaoka Dormitory	17-2 Umegaoka, Aoba-ku, Yokohama, Kanagawa Prefecture 227-0052	Tokyu Den-en-toshi Line Approx. 15-minute walk from Fujigaoka Station	
Toda	Toda Boat House	1-55 Toda-Koen, Toda-shi, Saitama Prefecture 335-0024	From Toda Koen Station on the JR Saikyo Line Approx. 15-minute walk	Capacity 30 persons
Enzan	Yanagisawa-Toge Mountain Hut	2319-1 Aza-Namezawa, Oaza-Oyashiki, Enzan, Koshu-shi,Yamanashi Prefecture 402-0211	From Enzan Station on JR Chuo Line Approx. 20 km	Capacity 40 persons
Kusatsu	Kusatsu-Shirane Volcano Observatory	641-36 Kusatsu, Kusatsu-cho, Agatsuma-gun, Gunma Prefecture 377-1711	From Naganohara Kusatsuguchi Station on the JR Agatsuma Line Approx. 30-minute walk from Kusatsu Onsen Station on JR Bus	

### Campus Map

# Ookayama Campus



### Ishikawadai Area

- 1 Ishikawadai Bldg. 1
- 2 Ishikawadai Bldg. 2
- 3 Ishikawadai Bldg. 3
- 4 Ishikawadai Bldg. 4

- 5 Ishikawadai Bldg. 5
- 6 Ishikawadai Bldg. 6
- 7 Ishikawadai Bldg. 7 (ELSI-1)
- 8 Ishikawadai Bldg. 8 (ELSI-2)
- 9 Ishikawadai Bldg. 9
- 10 Ishikawadai Lab Bldg. 1
- 11 International House

### Ookayama South Area

- 1 South Bldg. 1
- 2 South Bldg. 2
- 3 South Bldg. 3 4 South Bldg. 4
- 5 South Bldg. 5
- 6 South Bldg. 6

- 7 South Bldg. 7
- 8 South Bldg. 8 9 South Bldg. 9
- 10 South Lecture Bldg.
- 1 South Lab Bldg. 1
- 12 South Lab Bldg. 2

- 13 South Lab Bldg. 3
- 14 South Lab Bldg. 4
- 15 South Lab Bldg. 5

### Ookayama West Area

- 1 West Bldg. 1
- West Bldg. 2
- West Bldg. 3
- West Bldg. 4
- West Lecture Bldg. 1 (Lecture Theatre)
- 6 West Lecture Bldg. 2

- West Bldg. 7
- 8 West Bldg. 8W
- 9 West Bldg. 8E
- 10 West Bldg. 9
- 11 Environmental Safety Management Bldg.
- 10 70th Anniversary Auditorium
- Sports Center
- 14 Student Hall & Cafeteria
- 1 Extracurricular Bldg. 1
- 16 Extracurricular Bldg. 2 17 Extracurricular Bldg. 3
- 18 Extracurricular Bldg. 4

### Ookayama East Area

- 1 Main Bldg.
- Main Bldg. Lecture Halls
- 3 Administration Bureau Bldgs. 1&2
- 4 Administration Bureau Bldg. 3
- 6 Administration Bureau Bldgs. 4 & 5
- 6 Global Scientific Information and Computing Center
- Institute Library

- 8 Centennial Hall
- East Bldg. 1 10 East Bldg. 2

### Ookayama North Area

- North Bldg. 1
- 2 North Bldg. 2
- 3 North Bldg. 3
- 4 North Lab Bldg. 1
- 6 North Lab Bldg. 2A&2B

- 6 North Lab Bldg. 3A

- North Lab Bldg. 3B
- 8 North Lab Bldg. 4
- 9 North Lab Bldg. 5
- North Lab Bldg. 6
- 1 North Lab Bldg. 7
- 12 North Lab Bldg. 8
- 14 80th Anniversary Hall
  - 1 Extracurricular Bldg. 5

Health Support Center

- 16 Extracurricular Bldg. 6
- Tokyo Tech Front

### Midorigaoka Area

- 1 Midorigaoka Bldg. 1
- 2 Midorigaoka Bldg. 2 3 Midorigaoka Bldg. 3

- 4 Midorigaoka Bldg. 4
- 6 Midorigaoka Bldg. 5
- 6 Midorigaoka Bldg. 6

- Midorigaoka Lecture Bldg.
- 8 Midorigaoka House

# Campuses

# Campus Map

# Suzukakedai Campus



B-Area	S-Area		R-Area		G-Area		H-Area
1 B1-B2 Bldg.	1 S1 Bldg.	5 S5 Bldg.	1 R1 Bldg.	8 R2 Annex D	1 G1 Bldg.	4 G4 Bldg.	1 H1 & H2 Bldgs.
B1-B2 Annex A	S2 Bldg.	6 S6 Bldg.	2 R1 Annex A	R2 Annex E	2 G2 Bldg.	6 G4 Annex A	
3 B1-B2 Annex B	3 S3 Bldg.	7 S7 Bldg.	3 R1 Annex B	n R3 Bldg.	3 G3 Bldg.	6 G5 Bldg.	I-Area
4 B1-B2 Annex C	(Suzukakedai Library)	8 S8 Bldg.	4 R2 Bldg.	R3 Annex A			
	4 S4 Bldg.		6 R2 Annex A	R3 Annex B			1 J1 Bldg.
			6 R2 Annex B	R3 Annex C			2 J2-J3 Bldg.
			R2 Anney C	M R3 Anney D			

# Tamachi Campus





# Seal of Tokyo Institute of Technology