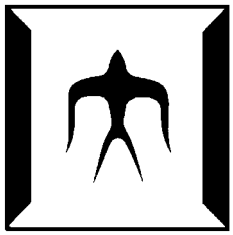
TOKYO INSTITUTE OF TECHNOLOGY

PROFILE

2003



Official seal of the Tokyo Institute of Technology (designed by Prof. Shinji Hori in 1948)

The white portion represents the Japanese character「工」, which is the first character of "Engineering（工業）." The black figure represents the Japanese character「大」, which is the first character of "University（大学）." This figure also symbolizes a swallow, which has been long esteemed as a bird of luck in Japan.

CONTENTS

Message from the President

With a history of more than 120 years and a time-honored presence in academia, Tokyo Institute of Technology (Tokyo Tech) has paved the way into a new era of science and technology and is today considered the leading science and technology university in Japan.

In the year 2000, the educational system based on undergraduate schools was changed and a new system emphasizing graduate education was implemented. Under the new system, Tokyo Tech was reformed into a "research university" with five graduate schools: Science and Engineering, Bioscience and Biotechnology, Interdisciplinary Science and Engineering, Information Science and Engineering, Decision Science and Technology; three undergraduate schools: Science, Engineering, Bioscience and Biotechnology; four attached research facilities: Chemical Resources Laboratory, Precision and Intelligence Laboratory, Materials and Structures Laboratory, Research Laboratory for Nuclear Reactors; and a number of joint-use research centers. Additionally, with the advent of the reform of the law that regiments national universities, an administrative framework that provides a comprehensive strategy for Tokyo Tech was created. In this respect, the Educational Planning Office, the Research Strategy Office, the Evaluation Office and the International Planning Office were established under the control of the president.

With the mission of leading in the science and technology arena in the 21st century, the research university objectives can be summarized in three points: *Fostering world-class graduates, Production of world-class knowledge* and *Putting knowledge to work on a global scale*. Allow me to elaborate on each of these three main objectives.

First, we aim to offer a technical education that not only provides technical knowledge from social and environmental perspectives, but also one that fosters creativity and international leadership among our alumni. On the subject of our alumni, let me remark on the high regard in which they are held for their logical analyses and specialized knowledge, many of them having brilliantly contributed to our country's development. Regarding Nobel Prizes, for instance, it is the third year in a row that the prize has gone to Japan, and it is still fresh in our memory that one of the Nobel laureates was our ex-fellow, Dr. Hideki Shirakawa.

At the same time, and in response to the remarkable increase in the demand for interdisciplinary education by our students, the Four-University Joint Education Course, these four universities being Hitotsubashi University, Tokyo Medical and Dental University, Tokyo University of Foreign Studies and Tokyo Tech, International Exchange courses and a program of academic credit exchange agreement between other national universities have been implemented.

Furthermore, in 2002, as part of the curriculum of the Asian Institute of Technology, a portion of the international graduate course, conducted entirely in English, was broadcast via satellite through the Tokyo Tech Office in Thailand.

Second, in order to produce world class knowledge two things must be done: the enhancement of each researcher's original creative research, and the placement of Tokyo Tech at the very center of scientific and technological achievement in the world. To this end, and in the framework of the 21st Century COE (Center of Excellence) program of the Ministry of Education, Culture, Sports, Science and Technology (MEXT), Tokyo Tech has been allocated four projects. These four projects, which belong to three research fields where Tokyo Tech is very active, are expected to develop into world-class research centers.

Third, there has been a great deal of research developed at Tokyo Tech that has been successfully transferred to society. However, in order to further enhance this aspect of our activity, Tokyo Tech is working in two areas: promoting research that is more useful to our society and fostering industry academia partnership by supporting venture capital initiatives. Accordingly, from now on, Tokyo Tech's intellectual property and research will be evaluated according to their usefulness for society and practical applicability.

Dr. Masuo AIZAWA
President
Tokyo Institute of Technology

＊Highlighted events of year 2002

4 proposals accepted in the 21st century COE *(Center of Excellence)* Program

Aiming at building up international-level research and education strongholds, MEXT's COE Program has accepted 113 proposals from 50 universities throughout Japan. During the initial phase of the program, our Institute has been allocated 751 million yen for four (4) projects in the fields of Life Sciences, Chemistry, Material Sciences, and IT and Electronics over a period of five years. *See Section 12 for more details.*

Opening of a Representative Office in Bangkok

On October 17, 2002, TOKYO TECH OFFICE in Thailand was established at the NSTDA (National Science and Technology Development Agency). The office is located in the Science Park, in the suburbs of Bangkok. It is the first overseas office of our Institute.

TOKYO TECH OFFICE in Thailand aims to become a catalyst for lectures via satellite, international joint research projects and continued learning for Thai students who returned home after studying in Japan. Tokyo Tech's Education research program is expected to play a fruitful role that serves as a base for international research cooperation.

Additionally, on December 23, 2002, H. E. Dr. Thaksin Shinawatra, Prime Minister of the Kingdom of Thailand visited TOKYO TECH OFFICE in Thailand and discussed various institutional matters with President Masuo Aizawa via video conference system held at the Institute.

16 Venture Capital companies related to our Institute were awarded "Tokyo-Tech Business Start-ups"

On January 9th 2003, for the first time ever, "Tokyo-Tech Business Start-ups" award ceremony took place. 16 VC companies were awarded the denomination of "Tokyo-Tech Business Start-ups" by the Institute. The adjudication criteria were based on the degree of utilization of the Institute's research fruits and on the involvement of human resources of the Institute.

Human powered flight contest: Tokyo Tech's circle of students "Meister" winner for two years in row

The Institute's *Meister* Circle's prototype won splendidly for the second year in a row the 26th edition of the Human powered flight contest, held over lake Biwa, Shiga Prefecture, on July 28, 2002. This year's human powered prototype achieved a new flight distance record of 6,201.74 m.

Technical High School attached to the School of Engineering designated as a Super Science High-School (SSH)

May 2002, MEXT designated 26 centers to become Super Science High Schools in Japan. Among them, the Technical High School attached to Tokyo Tech was also selected.

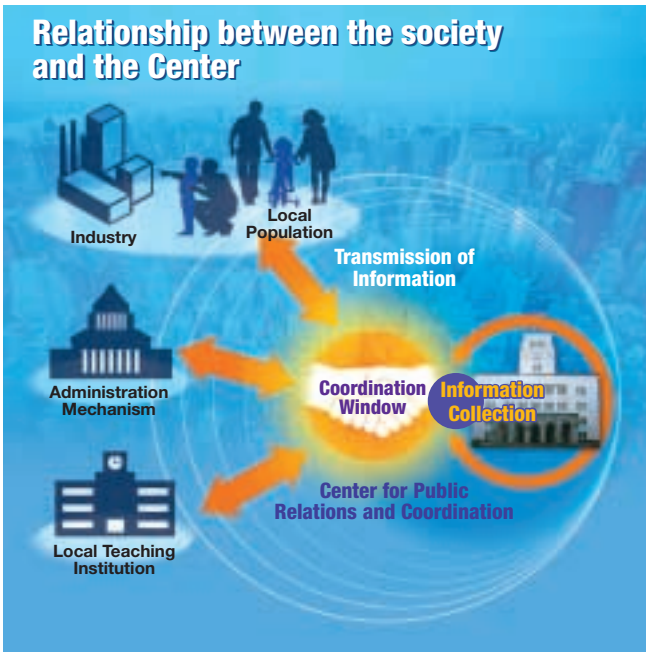
The framework of the SSH program includes the development of a school curriculum with stronger emphasis on sciences and mathematics. In addition, it also seeks an efficient coordination of efforts and policies between universities and research institutions that fosters human resources at sci-tech centers.

Establishment of Center for Public Relations and Coordination, General Safety Management Center and Educational Planning Office

Center for Public Relations and Coordination (established on October 1st, 2002)

The Public Relations Center was reorganized as the *Center for Public Relations and Coordination* in order to provide an educational service to society and to strengthen collaboration links. The main tasks of the Center are as follows:

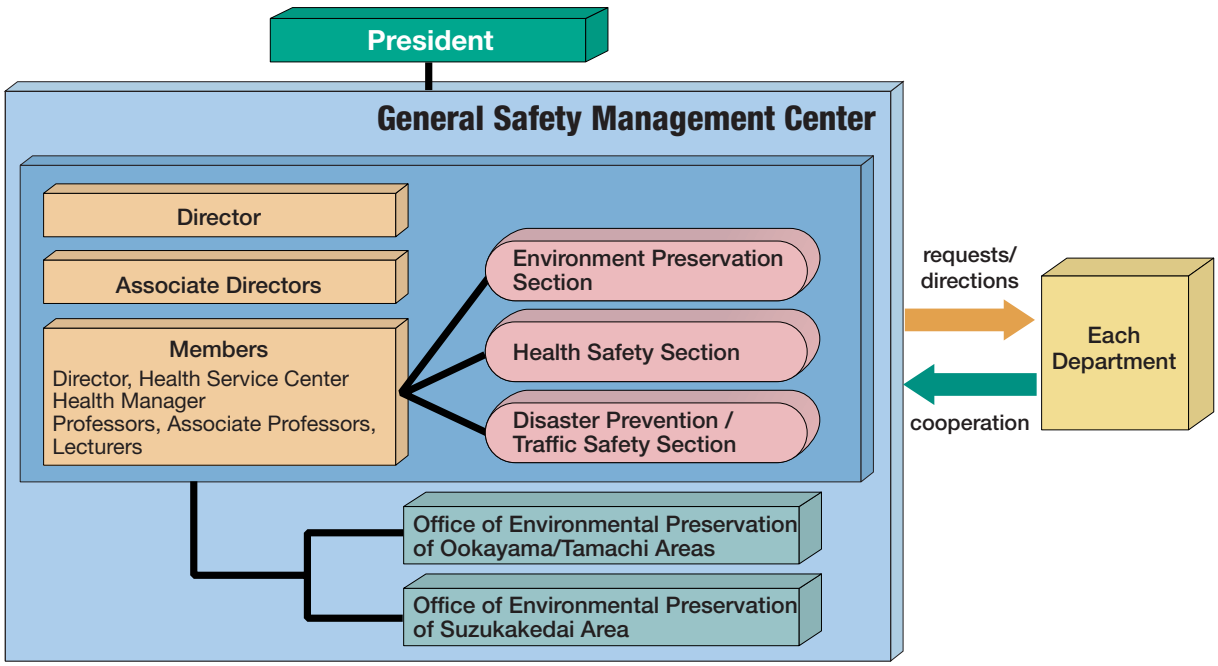
(1) Involve publicity activities and public relations in the activities
(2) Gather information within the Institute and outside it
(3) Regulate contacts with departments and cooperation activities with society which involve planning or design
(4) Gather and analyze information that may affect activities of cooperation between the Institute and society



General Safety Management Center (established on October 1st, 2002)

The Center was established as a unitary organization to deal with safety management of the whole Institute. It functions as an efficient system enforcing environmental preservation policies, management of health safety, disaster prevention, traffic safety and other safety management initiatives, which were carried out in each department before the Center was established. The main tasks of the Center are as follows:

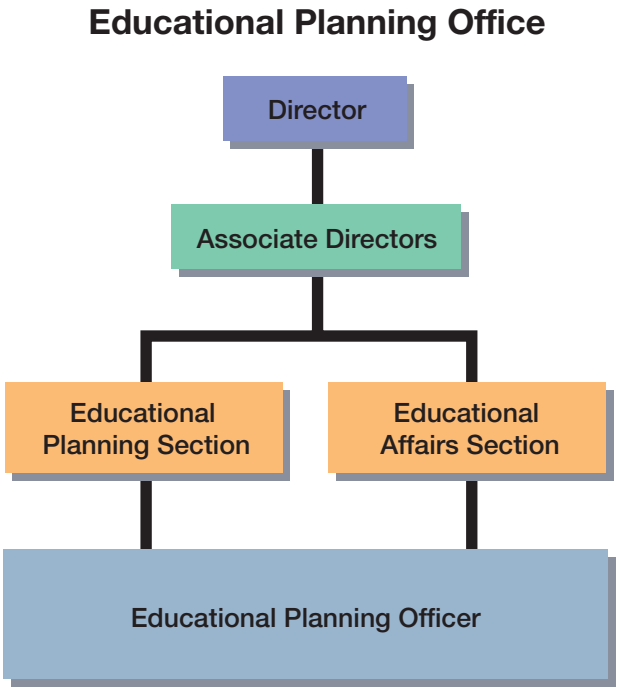
(1) Plan and design policies of the Institute related to general safety management of the whole Institute
(2) Enforce training and safety management in case of environmental pollution, health risks, accidents or disasters during educational or research activities



Educational Planning Office (established on May 15th, 2003)

The Office was established aiming to contribute to a smooth promotion of educational effects in the Institute by emphasizing the previous tasks. The main tasks of the Office are as follows:

(1) Design and plan future educational conceptions, ideas and guidance for the whole Institute
(2) Design and plan basic matters concerning public welfare guidance and entrance examination
(3) Promotion and decision of concrete matters related to education
(4) Collaboration and cooperation of academic members of every school and research department



3 new Tokyo Tech Awards established: Challenging Research, Student Leadership, the Best Teacher

Starting in 2002, the Institute confers new awards for Challenging Research, for Student Leadership and for Best Teacher. An outline of the new awards follows:

(1) Tokyo Tech Award for Challenging Research — aims at encouraging young researchers conducting challenging research by commending individuals full of originality and enthusiasm.
(2) Tokyo Tech Award for Student Leadership — aims at fostering international leadership by commending students who excel in nurturing principles.
(3) Tokyo Tech Award for the Best Teacher — aims at improvement of teaching techniques by conferring on teachers who distinguish themselves in education methods.

2 ADMINISTRATION

(As of April 1, 2003)

Institute Senate

President	AIZAWA, Masuo
Dean, School of Science	NAKAZAWA, Kiyoshi
Professor, Graduate School of Science and Engineering	KAKINUMA, Katsumi
Professor, Graduate School of Science and Engineering	HOSOYA, Akio
Dean, Graduate School of Science and Engineering	MIKI, Chitoshi
Professor, Graduate School of Science and Engineering	FUJII, Nobuo
Professor, Graduate School of Science and Engineering	OKAZAKI, Ken
Dean, Graduate School of Bioscience and Biotechnology	OKURA, Ichiro
Professor, Graduate School of Bioscience and Biotechnology	UNNO, Hajime
Professor, Graduate School of Bioscience and Biotechnology	HASHIMOTO, Hironobu
Dean, Interdisciplinary Graduate School of Science and Engineering	OHMACHI, Tatsuo
Professor, Interdisciplinary Graduate School of Science and Engineering	YAMAZAKI, Yohtaro
Professor, Interdisciplinary Graduate School of Science and Engineering	UCHIKAWA, Keiji
Dean, Graduate School of Information Science and Engineering	TAKIGUCHI, Katsuki
Professor, Graduate School of Information Science and Engineering	FUJIWARA, Eiji
Professor, Graduate School of Information Science and Engineering	UJIHASHI, Sadayuki
Dean, Graduate School of Decision Science and Technology	ENKAWA, Takao
Professor, Graduate School of Decision Science and Technology	IMADA, Takatoshi
Professor, Graduate School of Decision Science and Technology	MUTA, Hiromitsu
Director, Chemical Resources Laboratory	ISHIDA, Masaru
Director, Precision and Intelligence Laboratory	UEHA, Sadayuki
Director, Materials and Structures Laboratory	KOINUMA, Hideomi
Director, Research Laboratory for Nuclear Reactors	FUJII, Yasuhiko

Executives

President	AIZAWA, Masuo
Vice President	OGAWA, Kohei
Vice President	SHIMOKOHBE, Akira

Schools, Graduate Schools, etc.

Dean, School of Science,	NAKAZAWA, Kiyoshi
Dean, School of Engineering Graduate School of Science and Engineering	MIKI, Chitoshi
Dean, School of Bioscience and Biotechnology, Graduate School of Bioscience and Biotechnology	OKURA, Ichiro
Dean, Interdisciplinary Graduate School of Science and Engineering	OHMACHI, Tatsuo
Dean, Graduate School of Information Science and Engineering	TAKIGUCHI, Katsuki
Dean, Graduate School of Decision Science and Technology	ENKAWA, Takao
Director, Institute Library	YOKOYAMA, Masaaki

Research Institutes

Director, Chemical Resources Laboratory	ISHIDA, Masaru
Director, Precision and Intelligence Laboratory	UEHA, Sadayuki
Director, Materials and Structures Laboratory	KOINUMA, Hideomi
Director, Research Laboratory for Nuclear Reactors	FUJII, Yasuhiko

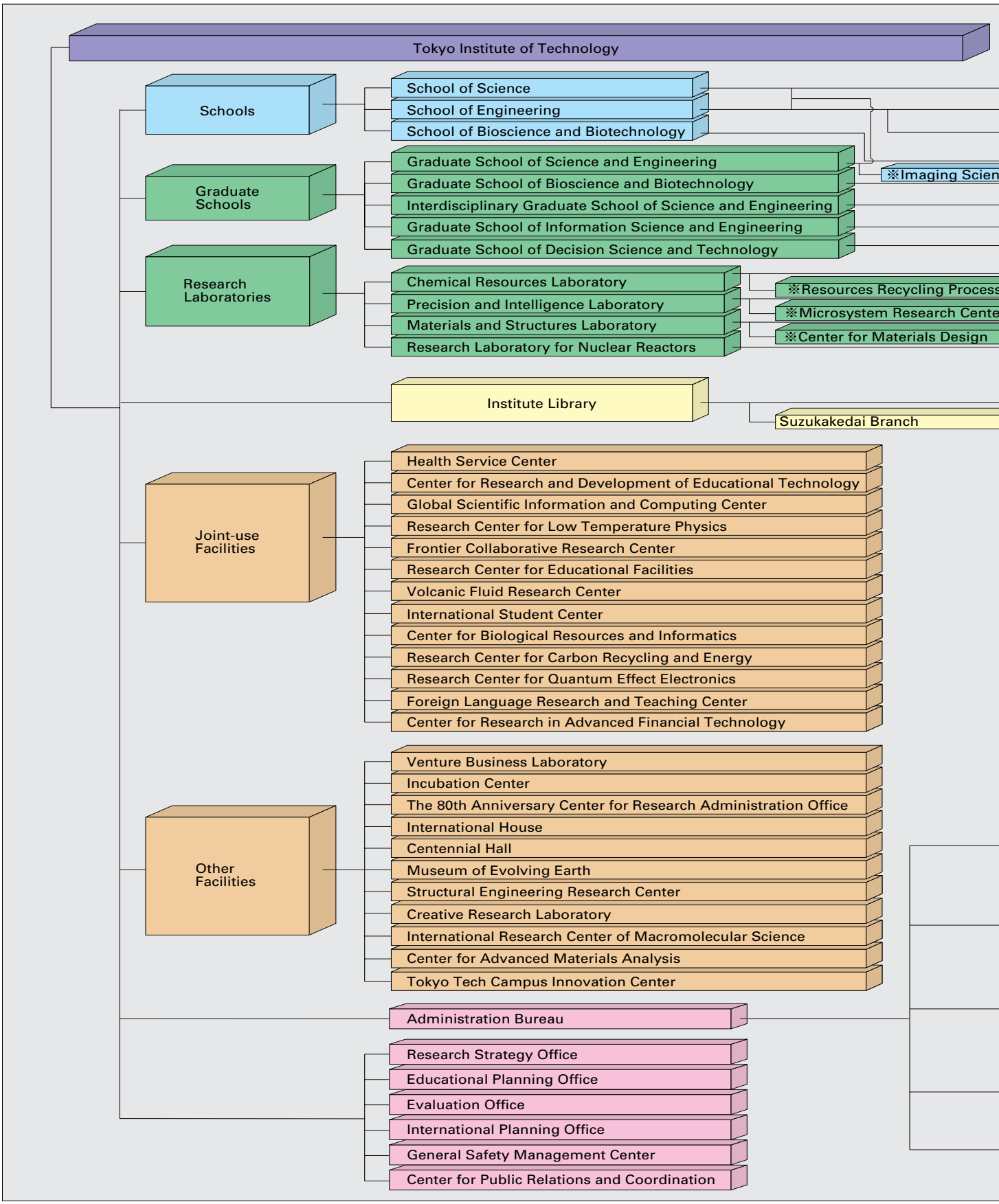
Joint-Use Centers & Facilities

Director, Health Service Center	KOBAYASHI, Akira
Director, Center for Research and Development of Educational Technology	MUTA, Hiromitsu
Director, Global Scientific Information and Computing Center	SAKAI, Yoshinori
Director, Research Center for Low Temperature Physics	OKUDA, Yuichi
Director, Frontier Collaborative Research Center	AIKA, Ken-ichi
Director, Research Center for Educational Facilities	SAKAMOTO, Kazunari
Director, Volcanic Fluid Research Center	OGUNI, Masaharu
Director, International Student Center	HONKURA, Yoshimori
Director, Research Center for Carbon Recycling and Energy	KAIZU, Youkoh
Director, Research Center for Quantum Effect Electronics	FURUYA, Kazuhito
Director, Center for Biological Resources and Informatics	OKADA, Norihiro
Director, Foreign Language Research and Teaching Center	SAEKI, Yasuki
Director, Center for Research in Advanced Financial Technology	MIZUNO, Shinji
Director, Imaging Science and Engineering Laboratory	NAGAHASHI, Hiroshi
Director, Resources Recycling Process Laboratory	SHODA, Makoto
Director, Microsystem Research Center	HIGO, Yakichi
Director, Center for Materials Design	YASUDA, Eiichi
Principal, Technical High School	ISHII, Shozo

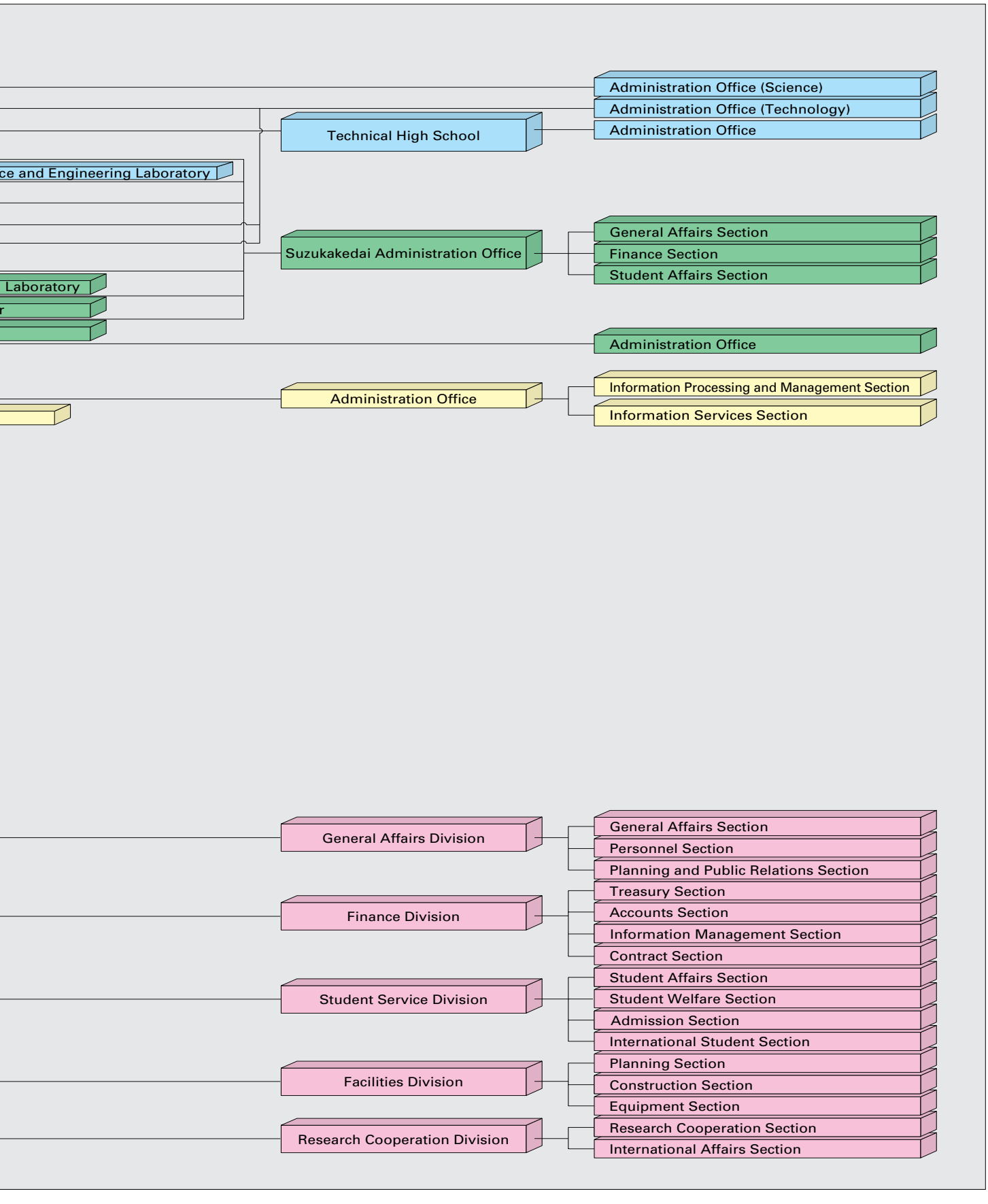
Administration Bureau

Director-General, Administration Bureau	SASAKI, Junji
Senior Director, General Affairs Division	SATO, Masaru
Senior Director, Finance Division	KAMIKOKURYO, Shinichi
Senior Director, Student Service Division	INOUE, Shinichi
Senior Director, Facilities Division	SHIONO, Hiroshi
Senior Director, Research Cooperation Division	OGUMA, Katsumi
Senior Director, Suzukakedai Administration Office	UENO, Takateru
Administrative Director, Institute Library	ASAZUMA, Miyoji

3 ORGANIZATION



※ Facilities attached to the school and laboratories.


Administration Office (Science)
Administration Office (Technology)
Technical High School
Administration Office
ce and Engineering Laboratory
General Affairs Section
Suzukakedai Administration Office
Finance Section
Student Affairs Section
Laboratory
Administration Office
Information Processing and Management Section
Administration Office
Information Services Section
General Affairs Division
General Affairs Section
Personnel Section
Planning and Public Relations Section
Finance Division
Treasury Section
Accounts Section
Information Management Section
Contract Section
Student Service Division
Student Affairs Section
Student Welfare Section
Admission Section
International Student Section
Facilities Division
Planning Section
Construction Section
Equipment Section
Research Cooperation Division
Research Cooperation Section
International Affairs Section

4 UNDERGRADUATE COURSES

School of Science

(5 Departments; 5 Subjects)

Departments	Fields
Mathematics (1 subject)	Real Analysis, Complex Analysis, Differential Equations, Probability, Number Theory, Algebraic Geometry, Differential Geometry, Topology
Physics (1 subject)	Condensed Matter Physics (Theory: Statistical Mechanics, Solid State Theory), Condensed Matter Physics (Experiment: Surface Physics, Semiconductor Physics, Superconductivity, Low Temperature Physics, Liquid Crystals, Magnetism), Laser Spectroscopy, Chemical Physics, Nuclear Physics (Theory), Nuclear Physics (Experiment), Elementary Particle Physics (Theory), Elementary Particle Physics (Experiment), Astrophysics (Theory), Astrophysics (Experiment)
Chemistry (1 subject)	Physical Chemistry, Analytical Chemistry, Inorganic Chemistry, Organic Chemistry, Chemical Hazards and Safety, Crystal Chemistry, Mechanisms in Organic Reactions, Condensed Matter Chemistry, Quantum Chemistry, Solid State Chemistry, Radiation Chemistry, Natural Product Chemistry, Synthetic Organic Chemistry, Structural Chemistry, Spectrochemistry, Chemistry Laboratory, Advanced Chemistry Laboratory
Information Science (1 subject)	Mathematics, Operations Research and Statistics, Computer Science
Earth and Planetary Sciences (1 subject)	Origin and Evolution of Earth and Planets, Physics of Earth and Planetary Interiors, Earth and Planetary Materials, Space Physics, Physics and Chemistry of Solar System

School of Engineering

(16 Departments; 22 Subjects)

Departments	Fields
Metallurgical Engineering (1 subject)	Physical Chemistry, Physical Chemistry of Metal Surface, Structural Material, Deformation in Solids, Casting and Solidification Microstructures, Phase Transformations in Solids, Thermodynamics of Materials, Transport Phenomena, Diffraction Crystallography, Physical Metallurgy, Crystal Technology, Advanced Materials, Defects in Solids, Material Processing, Interface Phenomena, Materials for Advanced Technology, Fabrication Process of Metallic Materials, Creativity Laboratory in Metallurgy, Internship in Metallurgical Plants, English Seminar in Metallurgical Engineering, Advanced English Communication for Engineers
Organic and Polymeric Materials (1 subject)	Physical Properties of Organic Materials, Physical Chemistry of Organic Materials, Processing of Organic Materials, Synthetic Chemistry of Organic Materials, Organic Chemistry, Solid State Physics of Organic Materials, Experiments of Organic Materials Engineering, Fiber and Composite Materials
Inorganic Materials (1 subject)	Ceramic Raw Materials, Ceramic Processing, Sintering, Electroceramics, Engineering Ceramics, Traditional Ceramics
Chemical Engineering (2 subjects)	Chemical Engineering and Applied Chemistry (Physical Chemistry, Organic Chemistry, Inorganic Chemistry, Catalysis Chemistry, Industrial Chemistry, Process Engineering, Environmental Chemistry, Chemical Engineering Thermodynamics, Transport Phenomena, Mass Transfer Operation, Energy Operation, Ethics for Chemical Engineers)
Polymer Chemistry (1 subject)	Polymer Chemistry, Polymer Structure and Dynamics, Polymer Physics, Organic Chemistry, Physical Chemistry, Computational Polymer Chemistry
Mechanical Engineering and Science (1 subject)	Materials Science and Engineering, Materials Processing and Mechanics, Design-based Production Engineering, Mechanical Systems Design, Thermal Science and Engineering, Fluid Science and Engineering, Energy Phenomena, Dynamics and Control of Machinery, Biomechanics, Bioengineering, Structural Dynamics Design, Bioinformation System, Work Shop, Drawing Office

Departments	Fields
Mechanical and Intelligent Systems Engineering (1 subject)	Seminar for Mechanical and Intelligent Systems Engineering, Mechanics of Deformation and Vibration, Energy and Fluid Flow, Mathematics for Engineering, Information Science and Engineering, Design and Manufacturing, Project Research, Mechatronics, Measurement and Statistics, Engineering Quantum Mechanics, Fundamentals of Tribosystem, Introduction to Artificial Intelligence, Scientific Computer Graphics, Creative Project for Mechanical and Intelligent Systems, Advanced Materials and their Processing, Vibration and Acoustic, Mechanical Design for Electronic Devices and Information Components, Industrial Design Management, Intelligent Sensing Technologies and their Applications, Internet Technology and Industry, Measurement and Evaluation of KANSEI
Mechano-Aerospace Engineering (1 subject)	Thermo-Physics and Energy System, Intelligent Fracture Control, Material Science and Mechanical Processing, Robotics, Vibration and Wave Dynamics, Advanced Fluid Dynamics, Space Systems Engineering, Computer Simulation, Global Environmental Engineering
Control and Systems Engineering (1 subject)	Fundamentals of Dynamical Systems, Modern Control Theory, Digital Control, Mathematics for Instrumentation and Control, Automatic Control, Fluid Power Control Components Systems, Image and Signal Processing, Sensing Systems Theory, Creative Design of Control Systems, Microcomputer Laboratory, Introduction to Manufacturing Process, Fundamentals of Machine Design, Manufacturing Process Engineering, Thermal Energy Conversion, Heat and Fluid Engineering
Industrial and Systems Engineering (2 subjects)	Industrial Engineering and Management, Fundamentals of Economics and Management, Accounting Information, Managerial Finance, Mathematics for Management Engineering, Stochastic Model, Operations Research, OR and Modeling Processes, Fundamentals of Information Systems
Electrical and Electronic Engineering (2 subjects)	Electrical and Electronic Engineering Physical Electronics
Computer Science (1 subject)	Computer Logic Design, Computer Architecture, Switching Circuit Theory, Operating System, Compiler Construction, Fundamentals of Computing, Automata and Formal Languages, Programming, Foundations of Computer Science, Database, Introduction to Artificial Intelligence, Mathematical Logic, Pattern Recognition, Signal Processing, Foundations of Functional Analysis, Computer Networks, Linear Electronic Circuits, Introduction to Algorithms, Basic Integrated Circuits, Integrated Circuits Design, Communication Network, Communication Theory, Digital Communications, Algebraic System and Coding Theory
Civil Engineering (1 subject)	Mechanics of Materials, Solid Mechanics, Structural Mechanics and Structural Analysis, Soil Mechanics, Water Environmental Planning, Hydraulics and Fluid Mechanics, Hydrology, Remote Sensing, Concrete Engineering, Earthquake Engineering, Design of Steel Structures, National and Regional Development Planning, Urban Planning, Transportation Engineering, Landscape and Civil Design
Architecture and Building Engineering (1 subject)	Architectural Design Studio, History of Architecture, Architectural Design Theory, Architectural Planning, Structural Engineering, Building Construction, Structural Design, Building Production, Construction Material, Environmental Engineering
Social Engineering (4 subjects)	City & Regional Planning, Landscape Design, Public Policies, Environmental & Economic Systems
International Development Engineering (1 subject)	International Development Engineering (4 courses; Chemical Eng., Mechanical Eng., Electrical Eng., and Civil Eng.)

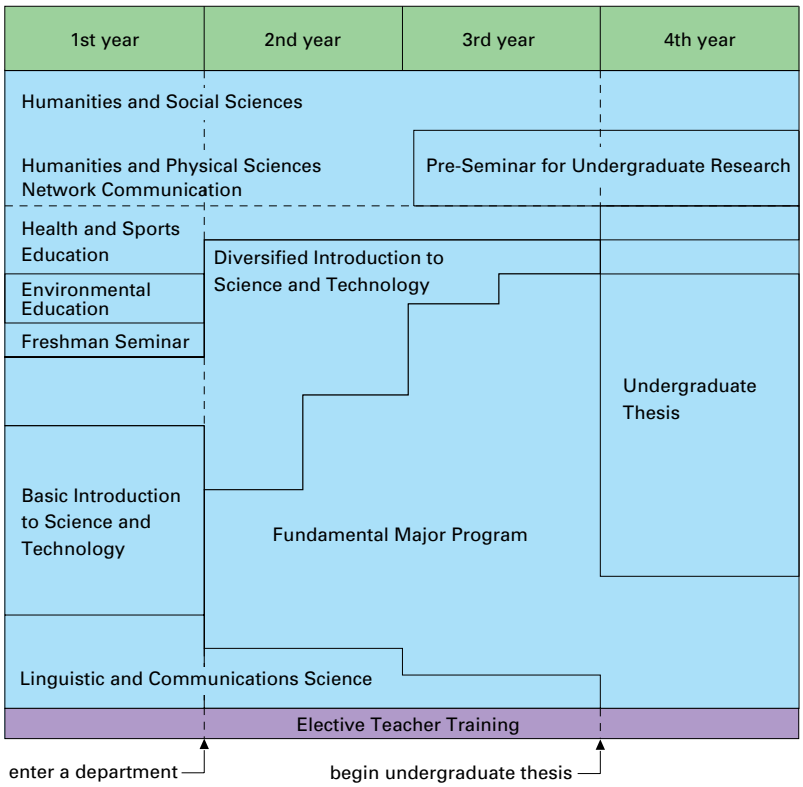
(Note) * The Subjects are set up to cope with the extra increase of student quota.

School of Bioscience and Biotechnology

(2 Departments; 13 Chairs)

Departments	Chairs/Subjects
Bioscience (7 chairs)	Biochemistry, Cell Biology, Biomolecular Reaction, Science of Biological Information, Developmental Biology, Biophysical Chemistry, Bioorganic Chemistry
Bioengineering (6 chairs)	Biochemical Engineering, Molecular Biochemical Process Engineering, Genetic Engineering, Molecular and Cellular Biology, Biomaterial Engineering, Biofunctional Engineering

Program of Undergraduate Study



5 GRADUATE COURSES

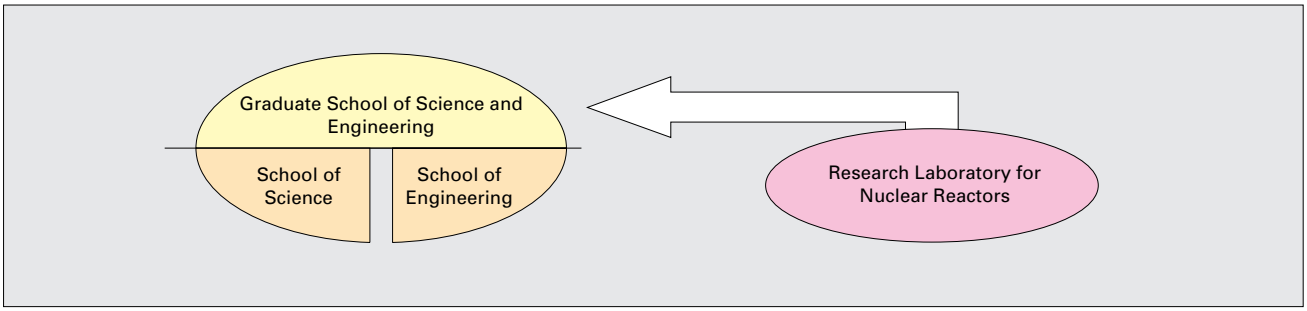
Graduate School of Science and Engineering

(20 Departments; 1 Laboratory)

Departments	Fundamental Chairs/Divisions
Mathematics	Real Analysis, Complex Analysis, Differential Equations, Probability, Number Theory, Algebraic Geometry, Differential Geometry, Topology
Physics (Particle-, Nuclear-, and Astro-Physics)	Nuclear Physics (Theory), Nuclear Physics (Experiment), Elementary Particle Physics (Theory), Elementary Particle Physics (Experiment), Astrophysics (Theory), Astrophysics (Experiment), Interdisciplinary Research in Fundamental Physics
Physics (Condensed Matter Physics)	Condensed Matter Physics (Theory: Statistical Mechanics, Solid State Theory), Condensed Matter Physics (Experiment: Surface Physics, Semiconductor Physics, Low Temperature Physics, Liquid Crystals, Magnetism), Laser Spectroscopy, Chemical Physics, Quantum Mechanics, Interdisciplinary Research in Condensed Matter Physics
Chemistry	Chemistry of Condensed Matter, Molecular Science, Organic Chemistry, Environmental Chemistry, Global Energy Chemistry, Volcano Chemistry
Earth and Planetary Sciences	Earth and Planetary Physics, Evolution of Earth and Planets, Origin of Solar System, Planetary Exploration
Chemistry and Materials Science	Structure of Materials, Reaction of Materials, Design of Materials, Function of Materials
Metallurgy and Ceramics Science	Metal Physics, Metal Chemistry, Material Behavior and Design, Inorganic Functional Materials, Inorganic Environmental Materials, Composite Materials
Organic and Polymeric Materials	Polymer Science, Soft Materials Science, Engineering Science of Organic Materials
Applied Chemistry	Applied Physical Chemistry, Inorganic Industrial Chemistry, Organic Industrial Chemistry, Synthetic Organic Chemistry, Molecular Engineering
Chemical Engineering	Process Analysis, Process Design, Process Operation, Process Information Analysis
Mechanical Sciences and Engineering	Thermal Science and Engineering, Fluid Science and Engineering, Microscale Thermal Engineering, Human Friendly Systems, Structural Dynamics, Mechanical Systems Design, Design-based Production Engineering, Materials Processing and Mechanics, Surface Engineering, Materials Sciences and Engineering, Solids and Structures Engineering, Mechano-Infrastructure Engineering, International Cooperation
Mechanical and Control Engineering	Intelligent and Integrated Manufacturing, Integrated Machine Systems, Manufacturing Systems Engineering, Solid Systems Engineering, Energy Phenomena, Energy Applications, Dynamics and Control of Machinery, Biomechanics, Science for Measurement, Instruments for Control, Information Driven Systems, Control Theory, Intelligent Robotics, Global Environment Engineering, Environmental Thermal Engineering
Mechanical and Aerospace Engineering	Advanced Fluid Dynamics, Thermal Energy Conversion Engineering, Aerospace Thermo-Fluid Dyanmics, Structural Dynamics Design, Applied Material Science, Machine Elements and Tribology, Robot Creation, Space Mechanical Systems
Electrical and Electronic Engineering	Autonomous Systems Engineering, Energy and Electric Power, Wave Technologies and Communication Engineering, Optoelectronics and Photonics, ***Energy Management
Physical Electronics	Advanced Electronics, Electronic Materials Science, Integrated Devices, Quantum Devices
Communications and Integrated Systems	Advanced Information Systems (Information Processing Circuits, Novel Information Systems), High-Performance Integrated Systems (Algorithms for Integrated Systems, VLSI Design, Massively Parallel Systems), Information and Communication Systems (Information and Communication Theory, Information Processing, Network Architectures), Intelligent Networks (Intelligent Network Architectures)

Departments	Fundamental Chairs/Divisions
Civil Engineering	Construction Engineering (Structural Engineering, Geotechnical Engineering, Construction Management), Environmental Engineering (Hydraulic Engineering, Urban Environmental Engineering), Infrastructure Planning (Urban Infrastructure Design, Transportation Planning, System Management)
Architecture and Building Engineering	Architectural Theory and Fundamentals, Architectural Planning, Archtectural Design and Practice, Environmental Design and Analysis
International Development Engineering	International Environment, Basic Engineering for Development, Industrial System for Development, International Coexistence
Nuclear Engineering	**Energy Engineering, **Mass Transformation Engineering, **System and Safety Engineering, *Nuclear Back-Ends Engineering
Common Chairs	Interdisciplinary Science (Interactive Research Center of Science), Engineering for Strategic Planning
Imaging Science and Engineering Laboratory (5 divisions)	Image Recording, Image Analysis, Image System, Applied Imaging, Image Cognition ***Healthcare Informatics, ***Information Techno-City Frontier Systems

(Note) *This Chair is provided for visiting researchers from outside the Institute.
**This Chair is coorerative chair.
***This Chair is endowed chair.



Graduate School of Bioscience and Biotechnology

(5 Departments)

Departments	Fundamental Chairs
Life Science	Biodynamics, Structure and Function of Biomolecules, Bioregulation, Bioorganic Chemistry, and Interdisciplinary Life Science
Biological Sciences	Biological Information and Biogenesis, Molecular Evolution, Comparative and Integrative Biology, Cellular and Developmental Biology
Biological Information	Bioinformation and Medical Science, Bioregulation Sciences, Bioinformation Engineering, *Bioscience and Bioengineering
Bioengineering	Cellular and Molecular Bioengineering, Biomolecular Process Engineering, Functional Bioengineering
Biomolecular Engineering	Biomaterial Physics, Biomaterial Design, Biofunctional Engineering

(Note) *This Chair is provided for visiting researchers from outside the Institute

Interdisciplinary Graduate School of Science and Engineering

(11 Departments)

Departments	Fundamental Chairs	Cooperative Chairs
Innovative and Engineered Materials	*Environmental Materials Engineering and Science	*Highly Functional Materials Engineering and Science, *Transient Phase Material Science and Engineering
Electronic Chemistry	*Molecular Process, *Material and Energy Conversion	Complex and Electrochemistry, Catalytic Chemistry, Organoelectronic Chemistry, Bioelectronic Chemistry, Spectroscopic Chemistry, Solid State Chemical Physics
Materials Science and Engineering	*Analysis and Control of Materials Structure, *Quantum and Surface Materials Science	Design of Environmentally Beneficial Materials, Materials Processing with Low Environmental Loads, Structure and Diffraction Physics, Transparent Electro Active Materials, Synergistic Materials, Materials Evaluation, Materials Structure Design
Environmental Science and Technology	Environmental Hydraulics and Hydrology, Environmental Geology and Geophysics, Atmospheric Physics and Turbulence, Environmental Material Cycle Analysis, Urban Land Surface and Environment, Urban Atmospheric Environment, Environmental Planning and Policies	Environment and Energy Engineering, Environment and Material Engineering, Environment and Structural Engineering, Environment and Safety Engineering, Process Systems Engineering, Frontier of Environmental Science and Technology
Built Environment	*Safety and Amenity Evaluation, *Urban Planning and Management, *New Frontier Environment	Urban Space, Urban Infrastructures, Landscape Engineering, Environmental Facility System
Energy Sciences	*Energy Environmental Science, *Energy Conversion Engineering, *Nuclear Fusion and Energy Sources	Energy Environmental System, Energy Conversion System, Ultra High Power Energy Engineering
Environmental Chemistry and Engineering	*Analysis of Chemical-Eco Systems, *Environmental Chemistry	Environmental Molecular Arrangement, Chemical Process Design, Polymer Processes, Chemical Environmental Process Synthesis, Environmentally Benign Molecular Design, Environmental Biotechnology
Information Processing	*Media and Information Systems, *Advanced Devices for Information Processing	Information Image Processing, Imaging Science and Engineering, Information Resources and Application, Information Systems, Advanced Photonic Devices, Human Information Processing
Mechano-Micro Engineering	*Functionality Creation	*Precision Devices, *Advanced Mechatronics
Computational Intelligence and Systems Science	*Intelligent Systems, *Complex Systems, *Emergent Systems	Computational Perception and Recognition, Brain Science, Neural Information Processing, Systems Analysis, Production System
Advanced Applied Electronics	*Electronic and Photonic Devices, *Integrated Information Systems	Intelligent Electron Devices, Sensing and Actuating Devices, Biological Information Systems, Materials Information

(Note) The Departments are aiming to go beyond the traditional domain of engineering and science and research subjects in newly developing fields.

*The Chairs are Large Chairs.

Graduate School of Information Science and Engineering

(3 Departments)

Departments	Large Chairs (Fields)
Mathematical and Computing Sciences	Computing in Information Science (Mathematical Computing, Software Interfaces, Mathematical and Information Sciences), Mathematical Sciences (Mathematical Analysis of Discrete Structure, Mathematical Analysis of Nonlinear Structure, Statistical Science, Operations Research), Computing Science (Parallel and Distributed Systems, Software Systems, Networking, Algorithms, Fundamentals of Computer Sciences, User Interfaces), Foundation of Computing Science, Foundation of Software Science
Computer Science	Integrated Information Systems (Software Environments, Multi-Media Information Processing), Computer Systems (System Architecture, Distributed Computing System, Dependable Computer Systems), Software Engineering (Software Design, Computational Logic), Intelligent Systems (Knowledge Engineering, Inference Systems, Computational Linguistics, Pattern and Speech Recognition)
Mechanical and Environmental Informatics	Integrated Informatics for Mechanical and Environmental Systems (Acquisition and Utilization of Information, Informatics for Environmental Control, Informatics for Policy Science, Informatics for Social Systems), Human Information in Mechanical Engineering (Human Information in Mechanical Engineering, Application of Mechanical Information), Information-Driven Systems (Decentralized Control Systems, Intelligent Control Systems, Sensing for Mechano-Informatics), Environmental Systems Design (Geographic Information Systems, Intelligent Space Design, Intelligent Infrastructure Systems), Mechanical Environmental Information Foundation

Graduate School of Decision Science and Technology

(4 Departments)

Departments	Large Chairs (Fields)
Human System Science	Human Resource Development (Cognitive Science, Educational System Design, Science and Technology Education, Educational Measurement and Evaluation), Human Dynamics Design (Motor Control and Health Design, Psychosomatic Science, Discursive Practices), *Educational Technology (Learning Media Technology, Advanced Learning Systems)
Value and Decision Science	Value Studies (Value Structures, Representational Functions, Value Representation, Discourse Formation), Mathematical Approaches to Social Science (Social Systems, Formal Theories in Social Science, Social Measurement), Studies of Decision-making (Advanced Theory on Group Decision Making, Politico-economics, Political Decision)
Industrial Engineering and Management	Development, Production, and Distribution Engineering (Fundamentals of Technology, Development Strategy, Engineering of Technology, Management Strategy, Human-Production Interaction, Process Evaluation), Managerial and Financial Engineering (Managerial Calculation, Financial Engineering), Mathematics amd Information Systems (Management Mathematical, Engineering / Management Information Systems), History, Philosophy and Social Studies of Science and Technology (History and Social Studies of Technology, History and Social Studies of Science, Logic and Methodology of Science and Technology), Engineering and Intellectual Property
Social Engineering	City & Regional Planning (Urban Planning, National Spatial System), Public System Design (Public System Design, Public Policy Formation, Public Space Design), Planning Theory (Planning System, Social System Planning, Environmental Modeling)

(Note) *This Chair is a cooperative chair.

6 RESEARCH LABORATORIES

Research Laboratories	Divisions (Sections)
Chemical Resources Laboratory (13 divisions)	Inorganic Resources, Molecular Materials Design, Organic Resources, Bio-Resources, Catalytic Chemistry, Polymer Chemistry, Organic Synthetic Chemistry, Chemical Spectroscopy, Inorganic Materials Chemistry, Chemical System Synthesis, Process Systems Engineering, Photofunctional Chemistry, Smart Material
Attached Laboratory	Resources Recycling Process Laboratory (See section 8)
Precision and Intelligence Laboratory (5 divisions) (*2 divisions) (**1 section)	Advanced Information Processing (Intelligent Information Processing, Information Processing and Recognition, Human Interface), Advanced Microdevices (Electron Devices, Optical Devices, Applied Acoustic Devices), Precision Machine Devices (Ultrafine Machining, Precision Machine Elements, Integrated Mechanisms), Advanced Mechanical Systems (System Control, Dynamic Systems, Intelligent Systems), Advanced Materials (Materials Design, Mechanics and Engineering Design, Advanced Materials Evaluation), *Biotic Integration Engineering, *Ultra-Fine Mechano-Process, **Intellectual Property Utilization System
Attached Laboratory	Microsystem Research Center (See section 8)
Materials and Structures Laboratory (3 divisions)	Novel Functional Ceramics (Super Functional Thin Films, Oxide Nano Technology, Quantum Functional Materials, Combinatorial Materials Science and Technology), Basic Researches (Thermal Analysis, Crystal Structure Analysis, Electronic Analysis) Structural Engineering (Structural Design, Materials for Ultimate Environment, Materials for Disaster Prevention, Materials for Building Structure) *Application of New Functions, *Superstructure Analysis, *Material Integration
Attached Laboratory	Center for Materials Design (See section 8)
Research Laboratory for Nuclear Reactors (3 divisions) (**2 sections)	Energy Engineering (Generation of High Density Energy, High-temperature Thermo-energy, Energy Conversion, Thermo-hydrodynamics of Functional Fluids, **Environmental Energy Engineering), Mass Transmutation Engineering (Particle Beam Energy, Fuel Cycle, Mass Transmutation, Mass Separation), System and Safety Engineering (Ultra-rapid Energy Phenomena, Energy System Materials, System Safety, System Design, **Science and Technology Policy)

(Note) 1. Three Laboratories (except the Chemical Resources Laboratory) have introduced the "Large Research Division" system. Each division consists of several sections which are specified in parentheses.
2. *The divisions are provided for visiting researchers from outside the institute.
3.**The sections are provided for visiting researchers from outside the institute.

7 RESEARCH CENTERS (JOINT-USE FACILITIES)

Centers	Main Activities
Health Service Center	Providing comprehensive health care services for students and staff, promoting the physical and mental health and maintaining environmental hygiene on the campuses
Center for Research and Development of Educational Technology	Research, development and application of methods of educational technology for the improvement of education
Global Scientific Information and Computing Center	Serves as the centerpieces of high-end computational science and a conduit for international collaboration with foreign partners of the Institute. Administers the supercomputing facility and the campus network system, which serve as the key computational and communication resources for advanced research, education, and administration within the Institute as well as in collaboration with external sites.
Research Center for Low Temperature Physics	Conducting researches on low temperature physics and low temperature science and technology in collaboration with researchers inside and outside of the Institute.
Frontier Collaborative Research Center	Conducting collaborative research with industries and public research establishments for the purpose of developing new research fields and creating new business. Also educating young researchers in creativity and entrepreneurship
Research Center for Educational Facilities	Research and development on planning, design, and management of educational, cultural, academic, and sport facilities for improving their quality, providing all user groups with larger utility, and serving life-long learning in the community in effective ways
Volcanic Fluid Research Center	Research on volcanology, and observation of Kusatsu-Shirane and other active volcanoes. The Center also provides field study on volcanology for students
International Student Center	Providing various training courses of Japanese language and culture for foreign students, seeking to develop new teaching methods and programs related with technical Japanese in the field of science and engineering, and providing support for students' lives and studies in Japan
Center for Biological Resources and Informatics	Research on living organisms by maintaining and providing experimental animals and advanced facility, bioinformatics by providing computing facility, experiments using recombinant DNA techniques and radioisotopes including training and management for handling radioisotopes and accelerators
Research Center for Carbon Recycling and Energy	Research on solar hybrid fuel production, carbon dioxide sequestration and efficient utilization of energy to protect the earth from global warming
Research Center for Quantum Effect Electronics	Research on photonic and electronic devices using nanotechnology, quantum effects, developments of crystal growth and processing technologies, physics in quantum effect devices, and designing of integrated systems
Foreign Language Research and Teaching Center	Research on linguistic theories and particular languages; its application; exploring new methods of teaching foreign languages in view of international communication
Center for Research in Advanced Financial Technology	Collaborating with industry and government agencies, conduct research on advanced financial technology using highly sophisticated mathematical and information technologies. Transferring the knowledge acquired through research to relevant industries.

8 FACILITIES ATTACHED TO SCHOOLS AND LABORATORIES

Facilities	Affiliation	Main Activities
Imaging Science and Engineering Laboratory	Graduate School of Science and Engineering	Basic and applied research on imaging and image processing
Resources Recycling Process Laboratory	Chemical Resources Laboratory	Development of novel bio-functions and resources recycling process using bio-functions
Microsytem Research Center	Precision and Intelligence Laboratory	Basic research on devices and systems toward ultrahigh speed lightwave communications and ultraparallels optoelectronics
Center for Materials Design	Materials and Structures Laboratory	Property development and reliability increase in ceramics using boundary design technology as carbon alloys, soft solution process, super plasticity, probe microscopy, etc.

9 ENDOWED CHAIRS

Chairs Endowed by Private Industries

Affiliation	Names	Donors
Graduate School of Science and Engineering	Healthcare Informatics (Toppan Printing) Endowed Chair	Toppan Printing Co., Ltd.
	Energy Management (The Tokyo Electric Power Company Inc.) Endowed Chair	The Tokyo Electric Power Company Inc.
	Information Techno-city Frontier Systems (NTT Communications) Endowed Chair	NTT Communications Corporation

10 SCIENCE AND TECHNOLOGY RESEARCH BODY

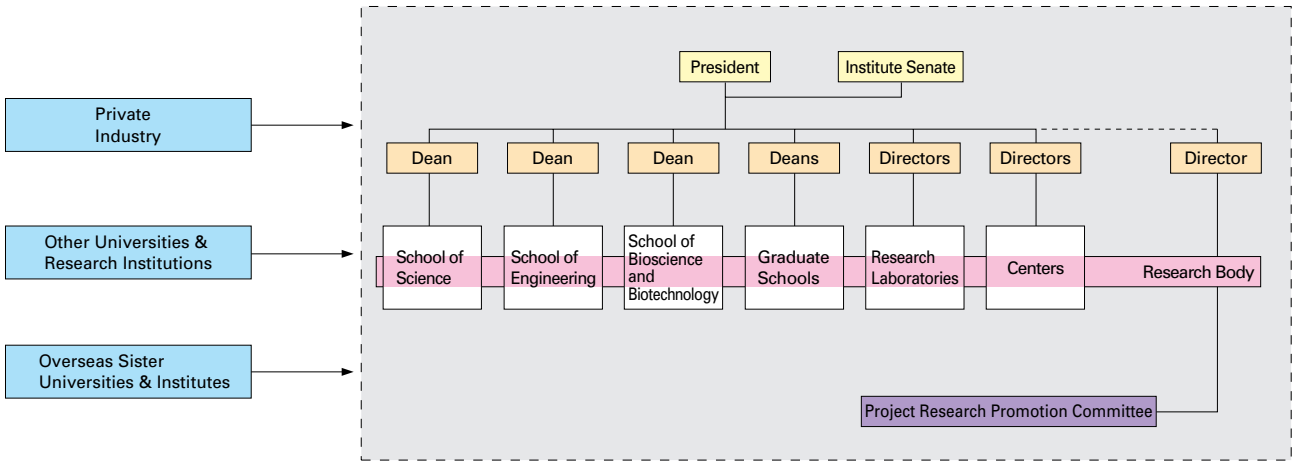
"Science and Technology Research Body" is a newly planned research organization designed to utilize the research and education potential of Tokyo Institute of Technology to plan and promote original project research.

Research projects pursue special research based on freely organized research of the Institute through the support of industry and the government, and are strongly supported by the Institute as its official research organization.

Each research project is conducted for about ten years.

Research Bodies	Directors	Year of Commencement
Research Center for Urban Infrastructure	Prof. Chitoshi MIKI Graduate School of Science and Engineering	1991
Computer Aided ULSI Design towards 21 Century	Prof. Hiroaki KUNIEDA Graduate School of Science and Engineering	1991

Tokyo Institute of Technology



11 INNOVATIVE RESEARCH INITIATIVES

Nowadays, the results of scientific research conducted at universities are becoming increasingly important from the view point of contributing to economically active companies. With that in mind, stronger cooperation between universities and industries is being sought. In order to address this current situation of the industry, our Institute established in June 2002 the *Innovative Research Initiatives*, which laid the foundation for international industry-academia cooperation, promoting reforms of existing research fields and a strategic development.

The *Innovative Research Initiatives* emphasize the strengths of The Institute with the creation of groups to reform existing fields of research, previously carried out individually by professors, and with the establishment of new fields of research. By strategically unfolding the seeds of new research areas, it becomes possible to overcome the boundaries that have limited the fields and specialization areas up to now. The establishment of these initiatives counts on the support of the Research Strategy Office, which, after regulating the necessary mechanisms, will report directly to the President of The Institute, authorizing the creation of the initiatives.

The *Innovative Research Initiatives* come to send the seeds of research to meet the demands of the industry, and aim at building a business model of industry-academia cooperation. According to the funds allocated, there is also the possibility of strategically addressing the needs of large-scale projects.

Fields	Number of Projects	Fields	Number of Projects
Life Science	4	Energy	10
Information Technology	10	Manufacturing Technology	4
Environment	5	Infrastructure	6
Nano-Technology & Materials	13	Frontier	1
		TOTAL	53

12 21st CENTURY COE (CENTER OF EXCELLENCE) PROGRAM

With the objective of formulating international level research and education strongholds, the Ministry of Education, Culture, Sports, Science and Technology (MEXT), started in 2002 the 21st Century COE Program. In 2002, 113 projects of 50 universities were selected from a total of 464 projects proposed by 163 universities. Below there are the details of the 4 projects that have been selected from our Institute.

Details of the 4 Programs selected
Program title: **Frontier System of Bioengineering** Field: Life Sciences Leader: Prof. Hiroshi HANDA Departments involved: Biological Information, Biomolecular Engineering, Bioengineering, Life Science, Biological Sciences; from Graduate School of Bioscience and Biotechnology
Program title: **Creation of Molecular Diversity and Development of Functionalities** Field: Chemistry, Material Sciences Leader: Prof. Takakazu YAMAMOTO Departments involved: Electronic Chemistry, Environmental Chemistry and Engineering; Interdisciplinary Graduate School of Science and Engineering Chemistry, Chemistry and Materials Science, Applied Chemistry, Chemical Engineering; Graduate School of Science and Engineering
Program title: **Nanomaterial Frontier Cultivation for Industrial Collaboration** Field: Chemistry, Material Sciences Leader: Prof. Hideo HOSONO Departments involved: Innovative and Engineered Materials, Materials Science and Engineering; Interdisciplinary Graduate School of Science and Engineering Metallurgy and Ceramics Science, Organic and Polymeric Materials; Graduate School of Science and Engineering
Program title: **Photonic Nano-Device Integrated Engineering** Field: Information Sciences, Electrical and Electronic Engineering Leader: Prof. Shigehisa ARAI Departments involved: Electrical and Electronic Engineering, Physical Electronics, Commuications and Integrated Systems; Graduate School of Science and Engineering Information Processing, Advanced Applied Electronics; Interdisciplinary Graduate School of Science and Engineering

For each program the leading department appears underlined.

13 INTERNATIONAL HOUSE AND DORMITORIES

International House

International House was established in Ishikawadai Area in April 1988 as part of the Institute's international exchange program in the fields of education and academic research. It provides housing for foreign researchers, and at the same time acts as a forum for intercultural communication in the Institute.

Dormitories for foreign students

The Institute has 2 dormitories for foreign students, i.e. Shofu Dormitory and Umegaoka Dormitory, both of which are conveniently located to the two campuses of the Institute in Aoba-ku, Yokohama.

Shofu Gakusha

Shofu Gakusha was established to provide accommodations for Japanese male students enrolled at the Institute. It is located next to the Shofu Dormitory.

House	Resident	Type of Accommodation	Number of Rooms	Area (m^2)
International House	Foreign Researchers	Family Couple Single	12 15 73	56 39 18
Umegaoka Dormitory	Foreign Students	Couple Single	10 50	40 12.5
Shofu Dormitory	Foreign Students	Couple Single	5 46	40 12.5～13.75
Shofu Gakusha	Japanese Students	Single	144	13

①

②

③

① International House
② Shofu Dormitory and Shofu Gakusha
③ Umegaoka Dormitory

14 INSTITUTE LIBRARY

The Institute Library was appointed as the National Center for Overseas Periodicals in the fields of science and technology by the Monbukagakusho (Ministry of Education, Culture, Sports, Science and Technology) in 1977. The Library is cooperating in collection with the centers in other fields, such as medicine and biology in Japan. Recent efforts have focused on building the collection of conference proceedings and technical papers, and the Library provides access to those materials for researchers throughout the country. In 2002 about 24,000 applications to reproduce documents were accepted through NACSIS-ILL, which is the interlibrary loan system provided by NII (National Institute of Informatics). And from 1998 we started the TDL (Tokyo Tech Digital Library) project which enables users to get useful information via web, easier than before.(http://www.libra.titech.ac.jp/)

Library Holdings

(As of March 31, 2003)

Classification	General Works	Philosophy	History	Social Science	Natural Science	Engineering & Technology	Industry	Arts	Linguistics	Literature	Total
Japanese and Chinese	11,285	19,212	22,361	58,221	98,016	115,322	15,080	9,318	8,518	25,905	383,238
Foreign	14,576	9,429	6,479	35,842	233,503	160,847	7,111	9,540	8,665	17,254	503,246
Total	25,861	28,641	28,840	94,063	331,519	276,169	22,191	18,858	17,183	43,159	886,484

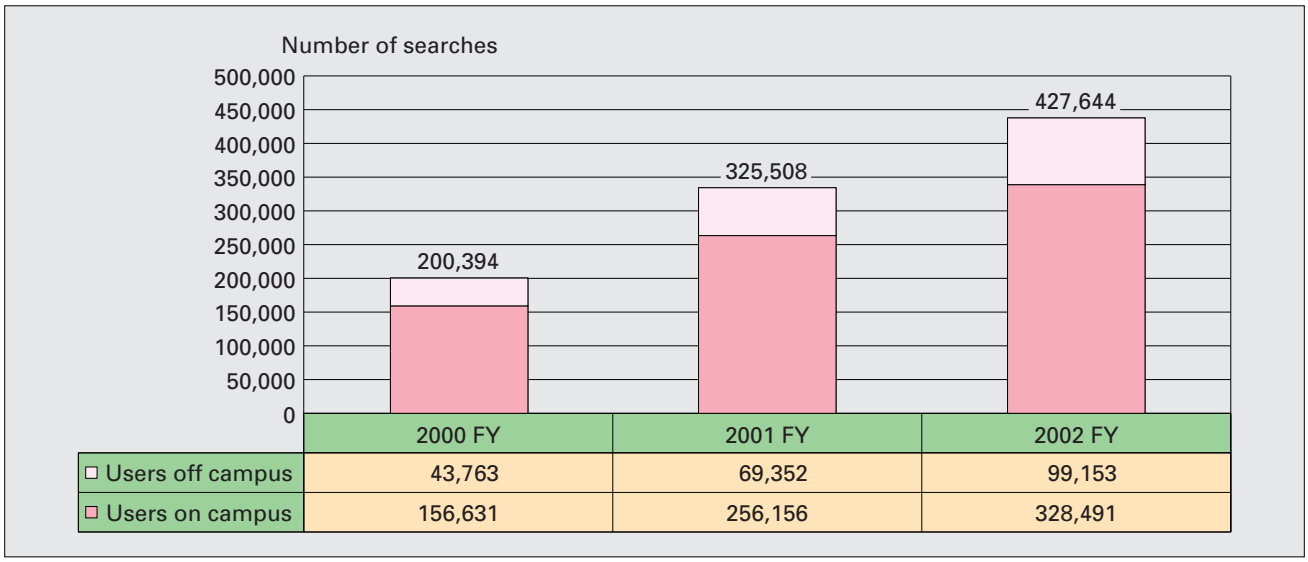
Periodicals

Japanese periodicals 4,641 titles	Foreign periodicals 13,378 titles	Total 18,019 titles

Service Hours: Monday through Friday 8:45a.m. - 9:00p.m. (During the Institute vacation periods; 8:45a.m. - 5:00p.m.)
Saturday 11:00a.m. - 5:00p.m.
Sunday and National Holidays 11:00a.m. - 5:00p.m.

2002FY	Main Library O-okayama Campus	Branch Library Suzukakedai Campus	Total
Number of Users	505,633 persons	86,553 persons	592,186 persons
Lending Service	98,578 volumes	25,185 volumes	123,763 volumes
Seating Capacity	606 seats	172 seats	778 seats

Digital Library System User Statistics



15 NUMBER OF STAFF

1. Number of Teaching and Administrative Staff
(excluding visiting appointments)

(As of May 1, 2003)

	Teaching Staff									Administrative Staff				Total
	President	Professors	Associate Professors	Lecturers	Associates	Sub Total	High School Teachers	High School Assistants	Sub Total	Officials	Technical Officials	Others	Sub Total	
Administration Bureau	1					1				203	30	7	240	241
Graduate School of Science and Engineering (Science) School of Science		52	39		63	154				24	13		37	191
Graduate School of School and Engineering (Technology) School of Engineering		113	108		126	347	45	9	54					
Graduate School of Information Science and Engineering		29	18	5	23	75				80	44		124	678
Graduate School of Decision Science and Technology		30	23	2	23	78								
Graduate School of Bioscience and Biotechnology		26	22	4	35	87								
Interdisciplinary Graduate School of Science and Engineering		48	41	7	40	136								
Chemical Resources Laboratory		14	13	1	25	53				72	42		114	480
Precision and Intelligence Laboratory		16	14		23	53								
Materials and Structures Laboratory		14	11	2	10	37								
Research Laboratory for Nuclear Reactors		11	12		14	37				8	8		16	53
Institute Library						0				28			28	28
Joint-use Centers & Facilities		37	38	1	13	89				2	6	2	10	99
Total	1	390	339	22	395	1,147	45	9	54	417	143	9	569	1,770

2. Number of Visiting Staff in the Endowed Chairs and Research Departments

(As of May 1, 2003)

	Visiting Professors	Visiting Associate Professors	Visiting Associates	Total
Graduate School of Science and Engineering	2	2	2	6

3. Lecturers funded by Science and Technology Promotion Adjustment Fee
(Newly developed field: Program for nurturing talented people)

(As of May 1, 2003)

	Professors	Associate Professors	Associates	Total
Graduate School of Decision Science and Technology	2	1	1	4

16 ENROLLMENT

1. Undergraduates

(As of May 1, 2003)

	Departments	Admission Quota	Enrollment										Grand Total
			1st year		2nd year		3rd year		4th year		Total		
			M	F	M	F	M	F	M	F	M	F	
School of Science	Mathematics	25			19	0	23	1	38	0	80	1	81
	Physics	54			55[1]	6	55	8	70[1]	6	180[2]	20	200[2]
	Chemistry	37			35[1]	4	34	5	37	6	106[1]	15	121[1]
	Applied Physics								4	0	4	0	4
	Information Science	34			33	3[1]	26	4	51[1]	4	110[1]	11[1]	121[2]
	Earth and Planetary Sciences	35			26	7	36	2	36	10	98	19	117
	1st year		213[1]	18[2]							213[1]	18[2]	231[3]
	Total	185	213[1]	18[2]	168[2]	20[1]	174	20	236[2]	26	791[5]	84[3]	875[8]
School of Engineering	Metallurgical Engineering	33			28	2	31	4	34	4	93	10	103
	Organic and Polymeric Materials	20	100	3[1]	23[2]	1	21	2[1]	27[2]	6	71[4]	9[1]	80[5]
	Inorganic Materials	30			30	3	30	7	35	5	95	15	110
	Chemical Engineering	70			57	8[1]	58[1]	11	69[1]	12	184[2]	31[1]	215[3]
	Polymer Chemistry	30	120[5]	23[7]	24	6	26	7	28	4	78	17	95
	Mechanical Engineering and Science	52			57[2]	2	57[2]	2	60[1]	3	174[5]	7	181[5]
	Mechanical and Intelligent Systems Engineering	40			31[1]	1	41[1]	0	49[2]	3	121[4]	4	125[4]
	Mechano-Aerospace Engineering	40	223[18]	9[3]	40	5[1]	43	1	46	5[1]	129	11[2]	140[2]
	Control and Systems Engineering	43			48[3]	4[1]	42[1]	5	65[1]	1	155[5]	10[1]	165[6]
	Industrial and Systems Engineering	36			32[3]	5	30[2]	4[1]	41[1]	6[2]	103[6]	15[3]	118[9]
	Electrical and Electronic Engineering (former)								16[1]	0	16[1]	0	16[1]
	Physical Electronics		246[21]	10[1]					21	1	21	1	22
	Electrical and Electronic Engineering (present)	82			77[8]	3[1]	79[5]	2[1]	91[5]	6[1]	247[18]	11[3]	258[21]
	Computer Science	102			106[4]	3	127[6]	8[5]	121[7]	7	354[17]	18[5]	372[22]
	Civil Engineering	34			29[1]	1	31	5	40	5	100[1]	11	111[1]
	Architecture and Building Engineering	45	117[5]	29[11]	36	15[2]	32[1]	20[1]	47[4]	20[1]	115[5]	55[4]	170[9]
	Social Engineering	36			32[1]	5	34[1]	4	35	8	101[2]	17	118[2]
	International Development Engineering	40			29[17]	8[5]	33[9]	5[3]	48[10]	8[5]	110[36]	21[13]	131[49]
	1st year	*20	806[49]	74[23]							806[49]	74[23]	880[72]
	Total	733	806[49]	74[23]	679[42]	72[11]	715[29]	87[12]	873[35]	104[10]	3,073[155]	337[56]	3,410[211]
School of Bioscience and Biotechnology	Bioscience	75			57[3]	10	63	11	74[1]	15[1]	194[4]	36[1]	230[5]
	Bioengineering (present)	75			72[4]	16	72[3]	28[5]	72[3]	22	216[10]	66[5]	282[15]
	Biological Sciences		148[3]	27[5]					1	0	1	0	1
	Biomolecular Engineering								2[1]		2[1]		2[1]
	1st year	*10									148[3]	27[5]	175[8]
	Total	150	148[3]	27[5]	129[7]	26	135[3]	39[5]	149[5]	37[1]	561[18]	129[11]	690[29]
Grand Total		1,068	1,167[53]	119[30]	976[51]	118[12]	1,024[32]	146[17]	1,258[42]	167[11]	4,425[178]	550[70]	4,975[248]

(Note) 1. *Figures represent the number of those who were admitted in the 3rd year.
2. Figures in square brackets represent the number of students from abroad.

2. Graduates

(As of May 1, 2003)

	Department	Master's Course							Master's Course Total	Doctoral Course									Doctoral Course Total
		Admission Quota	Enrollment							Admission Quota	Enrollment								
			1st year		2nd year		Total				1st year		2nd year		3rd year		Total		
			M	F	M	F	M	F			M	F	M	F	M	F	M	F	
Graduate School of Science and Engineering	Mathematics	22	24[1]	1	20	1	44[1]	2	46[1]	8	4	1	4	0	6	1	14	2	16
	Fundamental Physics	23	25	1	24	1	49	2	51	8	9	0	16[1]	1	15	0	40[1]	1	41[1]
	Condensed Matter Physics	35	42	3	30	1	72	4	76	12	6	0	8	0	6	2	20	2	22
	Chemistry	35	36	3	32[1]	7	68[1]	10	78[1]	12	8	0	10	0	8	2	26	2	28
	Earth and Planetary Sciences	19	18	2	19	1	37	3	40	7	5	1	9	4[1]	12[3]	1	26[3]	6[1]	32[4]
	Chemistry and Materials Sciences	29	28	4	35[2]	3	63[2]	7	70[2]	10	9	1	10	4[3]	8[2]	2	27[2]	7[3]	34[5]
	Metallurgy and Ceramics Science	36	42	6	35	4	77	10	87	13	10[2]	0	9[2]	2[1]	11[3]	3	30[7]	5[1]	35[8]
	Organic and Polymeric Materials	46	43	8	49[2]	7[3]	92[2]	15[3]	107[5]	15	8[1]	2	16[2]	3[3]	27[7]	5[4]	51[10]	10[7]	61[17]
	Applied Chemistry	20	19[1]	8	22[2]	5	41[3]	13	54[3]	7	10	0	7	3[1]	12	1	29	4[1]	33[1]
	Chemical Engineering	26	30[2]	5[1]	29[1]	7[2]	59[3]	12[3]	71[6]	9	1	1[1]	2	0	4[2]	2[2]	7[2]	3[3]	10[5]
	Mechanical Engineering								–						1	1	1	1	2
	Mechanical Sciences and Engineering	35	43	2	47[1]	5[1]	90[1]	7[1]	97[2]	12	6[1]	0	5[4]	2[1]	3[3]	2[2]	14[8]	4[3]	18[11]
	Mechanical and Control Engineering	43	57	1	59[3]	2[1]	116[3]	3[1]	119[4]	15	7[1]	0	6[2]	0	11[6]	0	24[9]	0	24[9]
	Mechanical and Aerospace Engineering	24	29	1	34[1]	1	63[1]	2	65[1]	9	6	1[1]	8[3]	0	11[2]	0	25[5]	1[1]	26[6]
	Electrical and Electronic Engineering (former)								–						2[2]	0	2[2]	0	2[2]
	Electrical and Electronic Engineering (present)	27	36[5]	3[2]	39[3]	0	75[8]	3[2]	78[10]	10	9[2]	0	7[2]	0	8[5]	0	24[9]	0	24[9]
	Physical Electronics	28	35[1]	2	45[3]	0	80[4]	2	82[4]	9	7	1	2[1]	0	13[5]	0	22[6]	1	23[6]
	Communication and Integrated Systems	27	36[4]	2	42[7]	2	78[11]	4	82[11]	10	6[4]	1[1]	8[3]	1	16[7]	1[1]	30[14]	3[2]	33[16]
	Civil Engineering	21	23[2]	2	29[2]	4	52[4]	6	58[4]	8	4[2]	0	8[4]	1[1]	12[6]	1[1]	24[12]	2[2]	26[14]
	Architecture and Building Engineering	32	18[1]	13	41[5]	14[1]	59[6]	27[1]	86[7]	11	5	0	8	2[1]	12[2]	2[1]	25[2]	4[2]	29[4]
	International Development Engineering	24	31[5]	2[1]	27[6]	4	58[11]	6[1]	64[12]	9	8[4]	0	4[3]	0	7[4]	2[2]	19[11]	2[2]	21[13]
	Nuclear Engineering	15	30[1]	0	31[4]	2	61[5]	2	63[5]	8	4	0	11[3]	2	15[5]	3	30[8]	5	35[8]
	Total	567	645[23]	69[4]	689[43]	71[8]	1,334[66]	140[12]	1,474[78]	202	132[17]	9[3]	158[30]	25[12]	220[64]	31[13]	510[111]	65[28]	575[139]
Graduate School of Bioscience and Biotechnology	Bioscience								–						3	0	3	0	3
	Biotechnology								–						1[1]	0	1[1]	0	1[1]
	Life Science	21	23	5[1]	22[1]	9[3]	45[1]	14[4]	59[5]	8	7	1	5	0	11[1]	2[2]	23[1]	3[2]	26[3]
	Biological Sciences	18	24	4	24	7[1]	48	11[1]	59[1]	6	8[1]	3	11[2]	5	10[2]	5	29[5]	13	42[5]
	Biological Information	18	23[1]	8[1]	25[1]	9[1]	48[2]	17[2]	65[4]	6	9	0	12[1]	1	19[2]	5[1]	40[3]	6[1]	46[4]
	Bioengineering	20	21	5	25[1]	5[2]	46[1]	10[2]	56[3]	7	4	4	5	1	12[1]	1[1]	21[1]	6[1]	27[2]
	Biomolecular Engineering	21	21	8	20[3]	10[1]	41[3]	18[1]	59[4]	8	13[4]	2	11[3]	0	12[5]	0	36[12]	2	38[12]
	Total	98	112[1]	30[2]	116[6]	40[8]	228[7]	70[10]	298[17]	35	41[5]	10	44[6]	7	68[12]	13[4]	153[23]	30[4]	183[27]

(As of May 1, 2003)

	Department	Master's Course							Master's Course Total	Doctoral Course									Doctoral Course Total
		Admission Quota	Enrollment							Admission Quota	Enrollment								
			1st year		2nd year		Total				1st year		2nd year		3rd year		Total		
			M	F	M	F	M	F			M	F	M	F	M	F	M	F	
Interdisciplinary Graduate School of Science and Engineering	Innovative and Engineered Materials	27	36	9	43[1]	6[1]	79[1]	15[1]	94[2]	22	17	1	16[3]	2[1]	15[5]	2	48[8]	5[1]	53[9]
	Electronic Chemistry	44	48	10	45[2]	16[3]	93[2]	26[3]	119[5]	20	17	0	12[1]	4[1]	18[2]	9[5]	47[3]	13[6]	60[9]
	Materials Science and Engineering	41	46	2	50[4]	5[1]	96[4]	7[1]	103[5]	19	14[2]	1[1]	9[1]	2[1]	16[2]	1[1]	39[5]	4[3]	43[8]
	Environmental Science and Technology	31	37[3]	7	43[2]	16[1]	80[5]	23[1]	103[6]	26	7[3]	5[1]	11[3]	3	18[4]	2	36[10]	10[1]	46[11]
	Built Environment	44	35[1]	9	33[1]	9[1]	68[2]	18[1]	86[3]	18	4	0	7[2]	2	15[3]	4[1]	26[5]	6[1]	32[6]
	Energy Sciences	41	40	0	47[1]	1	87[1]	1	88[1]	17	6	0	5[1]	0	11[4]	1	22[5]	1	23[5]
	Environmental Chemistry and Engineering	34	35[1]	13	34[2]	12[1]	69[3]	25[1]	94[4]	16	11[5]	0	6[3]	1[1]	21[6]	2[2]	38[14]	3[3]	41[17]
	Information Processing	42	66	3	53[2]	2	119[2]	5	124[2]	27	14	1	13[2]	1	23[1]	1	50[3]	3	53[3]
	Precision Machinery Systems				33	1	33	1	34				4[2]	0	9[6]	0	13[8]	0	13[8]
	Mechano-Micro Engineering	22	30[1]	2			30[1]	2	32[1]	10	9[2]	0					9[2]	0	9[2]
	Computational Intelligence and Systems Science	76	61[3]	9[1]	69[2]	5	130[5]	14[1]	144[6]	31	19[2]	2[1]	13[4]	3[1]	31[8]	1[1]	63[14]	6[3]	69[17]
	Advanced Applied Electronics	31	46[3]	1	38[1]	1	84[4]	2	86[4]	13	8[1]	0	3[2]	1[1]	7[1]	0	18[4]	1[1]	19[5]
	Total	433	480[12]	65[1]	488[18]	74[8]	968[30]	139[9]	1,107[39]	219	126[15]	10[3]	99[24]	19[6]	184[42]	23[10]	409[81]	52[19]	461[100]
Graduate School of Information Science and Engineering	Mathematical and Computing Sciences	28	30	4[1]	33[1]	1	63[1]	5[1]	68[2]	10	6[1]	1[1]	8	0	16[1]	2[1]	30[2]	3[2]	33[4]
	Computer Science	34	48[4]	0	53[6]	5[1]	101[10]	5[1]	106[11]	12	7[3]	1[1]	15[7]	0	23[9]	5[3]	45[19]	6[4]	51[23]
	Mechanical and Environmental Informatics	36	41[1]	9	42[2]	6	83[3]	15	98[3]	13	3[1]	0	11[3]	2[1]	8[1]	1	22[5]	3[1]	25[6]
	Total	98	119[5]	13[1]	128[9]	12[1]	247[14]	25[2]	272[16]	35	16[5]	2[2]	34[10]	2[1]	47[11]	8[4]	97[26]	12[7]	109[33]
Graduate School of Decision Science and Technology	Human System Science	24	22	7[2]	19	10[1]	41	17[3]	58[3]	11	9[1]	8[1]	7	2	9[1]	7[1]	25[2]	17[2]	42[4]
	Value and Decision Science	12	18[1]	5[1]	18	4	36[1]	9[1]	45[2]	9	5[3]	2	7[2]	6[2]	24[2]	7[4]	36[7]	15[6]	51[13]
	Industrial Engineering and Management	31	47[2]	7[3]	42[13]	7[5]	89[15]	14[8]	103[23]	13	9[3]	0	12[2]	2[1]	18[9]	4[1]	39[14]	6[2]	45[16]
	Social Engineering	28	25[1]	4	27[3]	6[2]	52[4]	10[2]	62[6]	11	1	0	2[1]	3[2]	8[1]	4[1]	11[2]	7[3]	18[5]
	Total	95	112[4]	23[6]	106[16]	27[8]	218[20]	50[14]	268[34]	44	24[7]	10[1]	28[5]	13[5]	59[13]	22[7]	111[25]	45[13]	156[38]
Grand Total		1,291	1,468[45]	200[14]	1,527[92]	224[33]	2,995[137]	424[47]	3,419[184]	535	339[49]	41[9]	363[75]	66[24]	578[142]	97[38]	1,280[266]	204[71]	1,484[337]

(Note) Figures in square brackets represent the number of students from abroad.

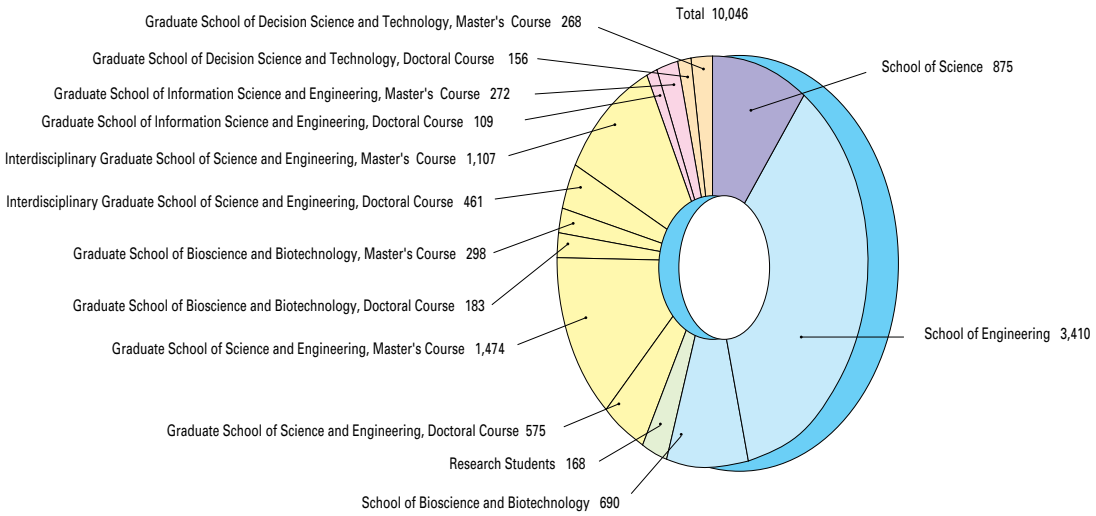
3. Research Students

(As of May 1, 2003)

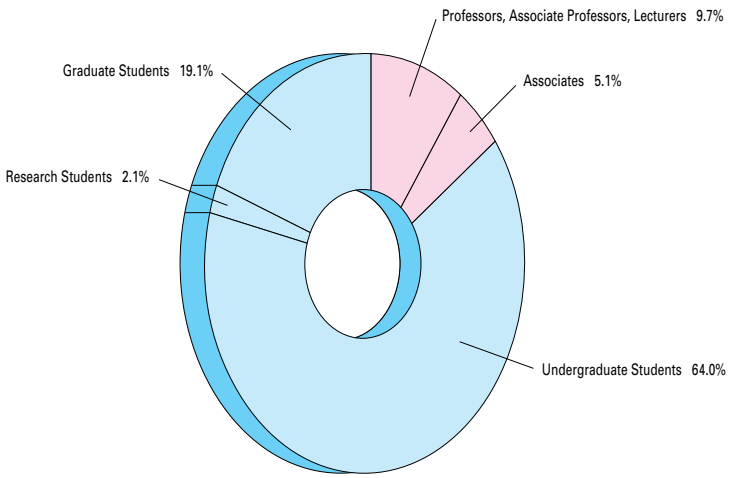
	Graduate School of Science and Engineering (Science)	Graduate School of Science and Engineering (Technology)	Graduate School of Bioscience and Biotechnology	Interdisci-plinary Graduate School of Science and Engineering	Graduate School of Information Science and Engineering	Graduate School of Decision Science and Technology	Chemical Resources Laboratory	Precision and Intelligence Laboratory	Materials and Structures Laboratory	Research Laboratory for Nuclear Reactors	*Others	Total
Japanese Students	13	24	7	6	8	19	3	4	0	2	1	87
Students from abroad	2	31	2	9	9	8	2	6	4	0	8	81
Total	15	55	9	15	17	27	5	10	4	2	9	168

(Note) *Others indicate the Joint-use Facilities.

Enrollment



Teacher-Student Ratio



17 ADMISSION

Admission to Undergraduate Courses for Academic Year 2003

Schools	Admission Quota	Applicants	Enrollment
Science	185	1,159	202
Engineering	733	4,245	805
Bioscience & Biotechnology	150	687	164
Total	1,068	6,091	1,171

Admission to Graduate Courses for Academic Year 2003

Graduate Schools	Master's Course			Doctoral Course			Total
	Admission Quota	Applicants	Enrollment	Admission Quota	Applicants	Enrollment	
Science & Engineering	567	1,207	714(14)	202	150	141(29)	855(43)
Bioscience & Biotechnology	98	218	142(5)	35	52	51(6)	193(11)
Interdisciplinary School of Science & Engineering	433	1,096	545(7)	219	140	136(25)	681(32)
Information Science & Engineering	98	183	132(2)	35	19	18(11)	150(13)
Decision Science & Technology	95	284	135(4)	44	40	34(11)	169(15)
Total	1,291	2,988	1,668(32)	535	401	380(82)	2,048(114)

(Note) Figures in parentheses represent the number of those who were admitted in October, 2002.

O-okayama Campus on the Entrance Ceremony day

18 AFTER GRADUATION

Students after Graduation for Academic Year 2002

Degrees		Number of Conferees	Immediate Placement of Conferees					
			Further Study	Manufacturing Industries	Business	Education	Government Agencies	Others
Bachelor's Degrees	School of Science	213	166	7	19	4	2	15
	School of Engineering	850	732	40	42	0	3	33
	School of Bioscience & Biotechnology	180	158	3	6	0	2	11
	Total	1,243	1,056	50	67	4	7	59
Master's Degrees	School of Science & Engineering	677	104	354	182	0	11	26
	School of Bioscience & Biotechnology	122	56	44	15	0	3	4
	Interdisciplinary School of Science & Engineering	511	89	257	135	3	7	20
	School of Information Science & Engineering	114	14	40	52	0	3	5
	School of Decision Science & Technology	114	21	16	63	3	0	11
	Total	1,538	284	711	447	6	24	66
Doctoral Degrees	School of Science & Engineering	99	-	15	9	6	1	68
	School of Bioscience & Biotechnology	49	-	6	4	3	0	36
	Interdisciplinary School of Science & Engineering	108	-	14	7	9	1	77
	School of Information Science & Engineering	16	-	2	1	3	0	10
	School of Decision Science & Technology	19	-	0	2	1	0	16
	Total	291	-	37	23	22	2	207

(Note) Figures of Education include associates at universities.
Figures of Others in Doctoral Degrees include Postdoctoral Researchers.

Alumni Association

The Alumni Association called "Kuramae Kogyokai", established in 1906, is an incorporated body that aims to promote science, technology and engineering and help about 40,000 Institute alumni keep in touch with each other, with faculty members and students, and with the Institute. Kuramae Kogyokai assists the Institute in its educational and research activities.

Graduation Ceremony

19 STUDENTS FROM ABROAD

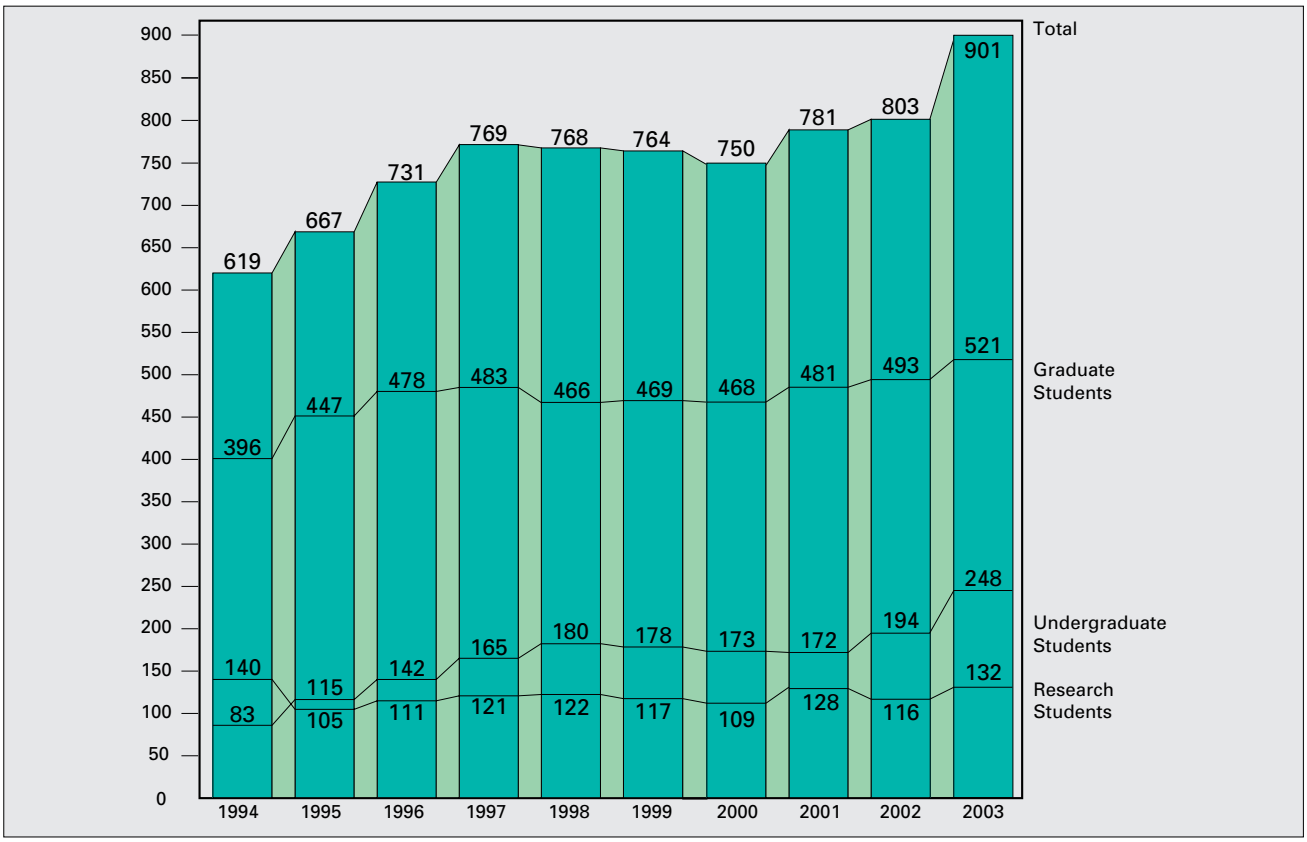
Number of Students from Abroad by Countries/Regions

(As of May 1, 2003)

Countries/Regions \ Course		Undergraduates	Graduates		Research Students	Total
			Master's Course	Doctoral Course		
ASIA	Iran	1	3	7	1	12
	Israel			1		1
	Syria			2		2
	India		1	1	1	3
	Indonesia	13	22	23	8	66
	Vietnam	22	9	7	5	43
	Laos		1	2		3
	Singapore	2	3			5
	Sri Lanka		2	2		4
	Thailand	3	13	27	10	53
	Korea	21	16	93	15	145
	Taiwan	3	3	8	5	19
	China	150	59	91	34	334
	Mongolia		2	1		3
	Pakistan		1	3		4
	Bangladesh	2	4	17	2	25
	Nepal	2		5		7
	Philippines	1	1	6	3	11
	Malaysia	18	10	1	1	30
	Myanmar	1		1		2
	Turkey	1		2	2	5
	Saudi Arabia		1			1
OCEANIA	Australia				6	6
	Fiji	1				1
AFRICA	Egypt		1	6		7
	Tunisia		1			1
	Morocco	1	1			2
	Algeria			1		1
	Nigeria			1		1
	Ethiopia				1	1
	Kenya	1				1
	Senegal	1				1
	Tanzania	1				1
EUROPE	Norway				4	4
	Sweden				2	2
	Finland				1	1
	U.K.		1		1	2
	Switzerland			1		1
	Spain		3		2	5
	Lithuania		2			2
	Italy		1	1	1	3
	Croatia			2		2
	Germany		1	1	4	6
	Hungary			1		1
	Bulgaria				1	1
	France		2	1	3	6
	Poland				2	2
	Netherlands			1	2	3
	Macedonia			1		1
	Iceland		1		1	2
	Slovakia			1		1
	Romania	1	3	1		5
	Russia		2	6		8
	Belarus			1		1
NORTH AMERICA	U.S.A.		2		6	8
	Mexico		3	2	1	6
	Canada		2			2
	Cuba		1			1
	El Salvador			1		1
	Guatemala		1	1		2
	Honduras	1				1
SOUTH AMERICA	Venezuela		1			1
	Brazil		1	3	6	10
	Colombia		1	2		3
	Peru	1			1	2
	Chile			1		1
	Argentina		1			1
	Bolivia			1		1
	Ecuador		1			1
	Total	248	184	337	132	901

(Note) Figures of Research Students include Japanese Study Students.

Recent Trends in the Number of Students from Abroad



Enrollment of International Graduate Course

(As of May 1, 2003)

Schools	1999			2000			2001			2002		
	Master's Course	Doctoral Course	Total	Master's Course	Doctoral Course	Total	Master's Course	Doctoral Course	Total	Master's Course	Doctoral Course	Total
School of Science and Engineering	12	7	19	14	14	28	9	11	20	14	13	27
School of Bioscience and Biotechnology	2	3	5	1	5	6	7	3	10	5	4	9
Interdisciplinary School of Science and Engineering	6	8	14	6	11	17	5	9	14	7	6	13
School of Information Science and Engineering	2	2	4	2	2	4	1	1	2	2	2	4
School of Decision Science and Technology	3	2	5	0	1	1	5	1	6	4	1	5
Total	25	22	47	23	33	56	27	25	52	32	26	58

(Note) International Graduate Course was inaugurated in 1993.

Experiencing Japanese Traditional Culture in an Exchange Program

Summer special lecture on Japanese culture and society
- At the Hall of Shinto Music and Dance in the Meiji Jingu Shrine -

Academic Cooperation Agreements (Agreements with the Institute : 76 Universities)

(As of May 1, 2003)

Countries/Regions		Universities/Institutes	Established	Areas of Exchanges
ASIA	China	Harbin Institute of Technology	Oct. 1980	F.S.I.
		Tsinghua University	Apr. 1985	F.S.I.
		Shanghai Jiao Tong University	Aug. 1991	F.S.I.
		Peking University	Aug. 1991	F.S.I.
		Xi'an Jiao Tong University	Aug. 1991	F.S.I.
		Zhejiang University	Sep. 1993	F.S.I.
		Beijing Institute of Tecnology	Dec. 1993	F.S.I.
		University of Science and Technology of China	Sep. 1997	F.S.I.
	India	Indian Institute of Technology, Delhi	Jul. 1994	F.S.I.
	Indonesia	Bandung Institute of Technology	Jun. 1988	F.S.I.
		University of Indonesia	Dec. 1992	F.S.I.
		Gadjah Mada University	Feb. 2000	F.S.I.
	Israel	Technion-Israel Institute of Technology	Dec. 1991	F.S.I.
	Iran	Sharif University of Technology	Nov. 2000	F.S.I.
	Korea (Rep.)	Korea Advanced Institute of Science and Technology (KAIST)	May 1986	F.S.I.
		Korea Institute of Science and Technology (KIST)	Dec. 1991	F.I.
		Korea Maritime University	Jul. 1992	F.S.I.
		Korea University	Set. 1992	F.S.I.
		Kyungpook National University	Jul. 1993	F.S.I.
		Chonbuk National University	Apr. 1995	F.S.I.
		Hanyang University	Apr. 1996	F.S.I.
		Yansei University	Apr. 2002	F.S.I.
		Pohang University of Science and Technology	Mar. 2003	F.S.I.
	Philippines	De La Salle University	May 1992	F.S.I.
		University of the Philippines	Aug. 1992	F.S.I.
	Singapore	National University of Singapore	Feb. 1991	F.S.I.
	Thailand	Chulalongkorn University	Oct. 1985	F.S.I.
		King Mongkut's Institute of Technology, Ladkrabang	Nov. 1992	F.S.I.
		Thammasat University	Mar. 1996	F.S.I.
		Kasetsart University	Dec. 1996	F.S.I.
		National Science and Technology Development Agency	Sep. 2001	F.S.I.
	Taiwan	National Cheng Kung University	Nov. 1997	F.S.I.
		National Tsing Hua University	Nov. 1998	F.S.I.
		National Taiwan University	Jan. 1999	F.S.I.
	Turkey	Middle East Technical University	Dec. 1992	F.S.I.
		Boğaziçi University	Mar. 1998	F.S.I.
	Vietnam	Hanoi University of Technology	Aug. 1995	F.S.I.
		Hanoi University of Science	Aug. 1995	F.S.I.
OCEANIA	Australia	University of Melbourne	Aug. 1994	F.S.I.
EUROPE	Belgium	University of Ghent	Sep. 1992	F.S.I.
		Université Libre de Bruxelles	May 1994	F.S.I.
	Denmark	Technical University of Denmark	Sep. 1992	F.S.I.
	Finland	Helsinki University of Technology	Oct. 1995	F.S.I.
		Lappeenranta University of Technology	Apr. 1999	F.S.I.
	France	Ecole Nationale des Ponts et Chaussées	Sep. 1992	F.S.I.
		Ecole Nationale Superieure d'Arts et Metiers	Apr. 2002	F.S.I.
		University of Rennes 1	May. 2002	F.S.I.
	Germany	Technische Universität München	Jul. 1982	S.
		Universität Stuttgart	Apr. 1992	F.S.I.
		Johannes Gutenberg University	Aug. 2001	F.S.I.
	Italy	University of Bologna	Mar. 1997	F.S.I.
		University of Rome	Sep. 1998	F.S.I.
		Politecnico Di Milano	May. 2002	F.S.I.
	Norway	Norwegian University of Science & Technology	Feb. 1993	F.S.I.
	Russia	Moscow Engineering Physics Institute	Jun. 1993	F.S.I.
		Novosibirsk State University	Nov. 1999	F.S.I.
	Sweden	Royal Institute of Technology	Sep. 1991	F.S.I.
		Chalmers University of Technology	Oct. 1992	F.S.I.
	Switzerland	Eidegenössische Technische Hochschule Zurich	Sep. 1978	F.S.I.
	U.K.	University of Manchester Institute of Science and Technology	May 1979	F.S.I.
		Imperial College of Science, Technology and Medicine	Sep. 1992	F.S.I.
		University of Strathclyde	Feb. 1993	F.S.I.
		University of Leeds	Mar. 1993	F.S.I.
		University of Surrey	Sep. 1993	F.S.I.
		Churchill College, Cambridge	Mar. 2001	F.I.

(Note) F: faculty, staff and/or researchers, S: students, I: academic information

(As of May 1, 2003)

Countries/Regions		Universities/Institutes	Established	Areas of Exchanges
AMERICA	Canada	University of Alberta	May 1995	F.S.I.
	U.S.A.	University of Washington	May 1974	F.S.I.
		University of California	Apr. 1988	F.S.
		Oregon State University	Jul. 1992	F.S.I.
		University of Wisconsin-Madison	Aug. 1992	F.S.I.
		University of Maryland, Baltimore County, College Park	Nov. 1992	F.S.I.
		Ohio State University	Jun. 1993	F.S.I.
		Georgia Institute of Technology	Jan. 2001	F.S.I.
		The Pennsylvania State University	May. 2002	F.S.I.
	Brazil	Universidade de São Paulo	May 1991	F.S.I.
		Instituto Technológico de Aeronautica	Oct. 1992	F.S.I.

Academic Cooperation Agreements (Agreements with the Schools : 37 Schools)

(As of May 1, 2003)

Countries/Regions		Universities/Institutes	Established	Counterparts	Areas of Exchanges
ASIA	China	University of Science and Technology of Beijing	Aug. 1980	School of Eng./Interdisciplinary Graduate School of Sci. & Eng.	F.I.
		Tsinghua University(Association for Dynamics)	Jan. 1989	Mechanics-related Depts. School of Eng.	F.S.I.
		Tsinghua University (Center of Science, Technology and Society)	Sep. 2001	Dept. Industrial Eng. & Management, Graduate School of Decision Sci. & Tech.	F.S.I.
		Zhejiang University (Dept. Civil Eng., College of Architecture and Building Eng.)	Nov. 1993	Dept. Civil Eng., School of Eng.	F.S.I.
		Beijing Institute of Technology (Dept. Control Eng.)	Sep. 1986	Dept. Control and Systems Eng., School of Eng.	F.S.I.
	India	Department of Materials Science, Sardar Patel University	Feb. 2003	Materials and Structures Lab.	F.I.
	Indonesia	Indonesian National Atomic Energy Agency	Jun. 1997	Res. Laboratory for Nuclear Reactors	F.I.
	Korea (Rep.)	Korea Advanced Institute of Science and Technology (KAIST) (Center for Advanced Reactor Research)	Aug. 1993	Res. Laboratory for Nuclear Reactors	F.I.
		(Center for Interface Science and Eng. of Materials)	May 1996	Dept. Inorganic Materials, School of Eng.	F.I.
		Seoul National University (Center for Molecular Catalysis)	May 1996	Materials and Structures Laboratory	F.I.
		(School of Mechanical and Aerospace Eng.)	Apr. 1999	Dept. of Mechanical Eng. and Sci., School of Eng.	F.S.I.
		Yonsei University(Dept. of Chemical Eng., College of Eng.)	Sep. 1999	Dept. of International Develoment Eng., Graduate School of Sci. & Eng.	F.S.I.
		Chosun University (Factory Automation Research Center for Parts of Vehicles)	Nov. 1998	Dept. of Mechanical Eng. and Sci., Graduate School of Sci. & Eng.	F.S.I.
	Philippines	University of the Philippines (Dept. Civil Eng., TTC, NHRC, SURP)	Apr. 1993	Dept. of Civil Eng., School of Eng.	F.S.I.
OCEANIA	Australia	University of Technology, Sydney	Apr. 1998	School of Eng./ Graduate School of Decision Sci. & Tech.	S.I.
		Royal Melborne Institute of Technology(School of Architecture and Design, Faculty of the Constructured Environment)	Aug. 1999	Dept. Architecture & Building Eng., School of Eng.	F.S.I.
EUROPE	France	Ecole d'Architecture de Paris la Villette	Jul. 2000	School of Eng.	S.
	Germany	Paul-Drude-Institut für Festkörperelektronik	Sep. 1994	Res. Center for Quantum Effect Electronics	F.I.
		Forschungszentrum Karlsruhe GmbH	Feb. 1998	Res. Laboratory for Nuclear Reactors	F.I.
		Forschungszentrum Karlsruhe GmbH	Jun. 2000	Precision and Intelligence Laboratory	F.I.
		Humanwissenschaftliches Zentrum, Ludwig-Maximilian-Universität München	May 2001	Interdisciplinary Graduate School of Sci. & Eng.	F.S.I.
	Italy	Politecnico di Torino	Jul. 1999	Interdisciplinary Graduate School of Sci. & Eng.	F.S.I.
	Netherlands	University of Twente(Dept. Chemical Technology)	Jun. 1996	Interdisciplinary Graduate School of Sci. & Eng.	S.
		Delft University of Technology(Faculty of Information Technology and Systems)	Sep. 1998	School of Eng./Graduate School of Decision Sci. & Tech.	S.
		(Faculty of Architecture)	Aug. 2000	School of Eng.	S.
	Russia	Russian Scientific Center "Kurchatov Institute"	Aug. 1992	Res. Laboratory for Nuclear Reactors	F.I.
		Institute of Physics and Power Engineering	Dec. 1997	Res. Laboratory for Nuclear Reactors	F.S.I.
		Obninsk Institute of Nuclear Power Engineering	Jan. 1998	Res. Laboratory for Nuclear Reactors	F.S.I.
	Sweden	Linkoping University	Sep. 1997	Graduate School of Information Sci. & Eng.	S.
		Lund Institute of Technology, Lund University	Nov. 1997	School of Eng.	S.
	Switzerland	University of Geneva (Dept. Organic Chemistry & Laboratory of Crystallography)	Oct. 2001	Dept. Chemical Eng., School of Eng., Dept Applied chem., Graduate School of Sci. & Eng.	F.S.I.
AMERICA	Canada	Numerical Prediction Research Division, Environment Canada	Dec. 2002	Global Science Information and Computing Center	F.I.
	U.S.A.	University of Washington (Dept. Architecture, School of Architecture & Urban Planning)	Jan. 1978	Dept. Architecture & Building Eng., School of Eng.	F.I.
		Massachusetts Institute of Technology(Dept. of Mechanical Eng.)	Jun. 1991	Dept. Control and Systems Eng., School of Eng.	F.S.I.
		(Dept. Mechanical Eng.)	May 1996	Dept. Mechano-Aerospace Eng., School of Eng.	F.S.I.
		Stanford University (Dept. of Mechanical Eng.)	Oct. 1999	Dept. of Mechano-Aerospace Eng., Dept. of Mechanical Eng. & Sci., Dept. of Mechanical and Intelligent Systems Eng. and Dept. of Control and Systems Eng.	F.S.I.
		San Diego Supercomputer Center, University of San Diego	Jan. 2003	Global Science Information and Computing Center	F.I.

21 INTERNATIONAL COOPERATION

Cooperative Programs with Southeast Asia (Core University Program)

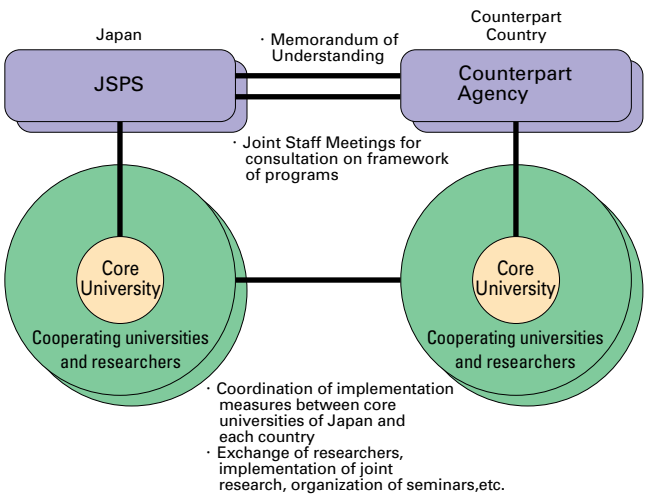
Scientific cooperation with Southeast Asian countries under the "Core University Program" began in 1978 through the Japan Society for the Promotion of Science (JSPS). The Core University Program is a cooperative network established in specific fields at designated universities in Japan and Southeast Asian countries under agreement between JSPS and counterpart agencies. The role of the core university is to coordinate the activities of cooperating universities and individual researchers, and keep in close contact with their counterpart core university in planning and actually implementing the programs in the field concerned.

Tokyo Institute of Technology was appointed as a core university for cooperation programs in the field of science and technology, and in 1979 the International Cooperation Center for Science and Technology was established to play a key role in carrying out joint research and exchange of researchers.

Tokyo Institute of Technology serves as the core university in the following fields.

Country	Counterpart Agency	Fields	Core University in Counterpart Country
Philippines	Department of Science and Technology (DOST)	Environmental Engineering	University of the Philippines
Korea (Rep.)	Korea Science and Engineering Foundation (KOSEF)	Organic and Polymeric Materials	Korea Advanced Institute of Science and Technology

Core University Program



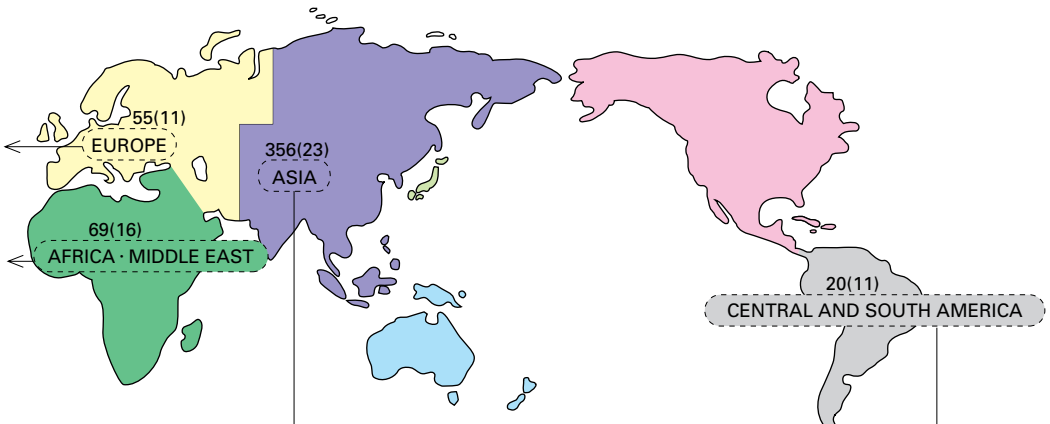
Number of Researchers exchanged under the Core University Program

FY / Researchers	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Foreign Researchers Received	32	40	45	55	54	58	61	58	52	49	47	38	45	50	49	42
Japanese Researchers Dispatched	40	40	39	48	43	51	52	59	53	55	50	40	53	78	77	82
Total	72	80	84	103	97	109	113	117	105	104	97	78	98	128	126	124

International Course for Advanced Research in Chemistry and Chemical Engineering

This Course is a program for qualified scientists who already hold teaching or research positions in a university or research institution. It aims to enrich and deepen scientists' education as well as provide methodical preparation for their own research or educational activities. This Course was inaugurated by Tokyo Institute of Technology in 1965 as the International Postgraduate University Course which was one of the UNESCO's projects in the field of natural sciences. The one-year Course is oriented towards scientists, teachers and researchers mainly from developing countries under the sponsorship of UNESCO and the Ministry of Education, Culture, Sports, Science and Technology (MEXT). Since 1965, 500 participants from 59 countries and 2 regions of the world have pursued their studies with great fervour and returned to their countries to lead their own fields.

Participants since 1965



Bulgaria	15
Czech	3
Hungary	8
Lithuania	2
Moldova	1
Poland	15
Romania	7
Slovenia	1
Spain	1
Ukraine	1
Yugoslavia	1

Algeria	1
Egypt	35
Iran	3
Iraq	2
Israel	3
Kenya	1
Kuwait	2
Lebanon	1
Nigeria	4
Saudi Arabia	1
Syria	1
Tanzania	1
Turkey	9
Uganda	3
Zaire	1
Zimbabwe	1

Afghanistan	1	Mongolia	8
Bangladesh	26	Myanmar	5
Bhutan	1	Nepal	21
Cambodia	2	Pakistan	35
China	33	Philippines	32
Hong Kong	1	Singapore	3
India	55	Sri Lanka	22
Indonesia	13	Taiwan	11
Kazakhstan	3	Thailand	31
Korea(Rep.)	36	Uzbekistan	1
Laos	3	Vietnam	11
Malaysia	2		

TOTAL : 500 persons from 59 countries and 2 regions.

Figures in parentheses indicate the number of the countries and regions.

Argentina	1
Bolivia	1
Brazil	2
Chile	2
Colombia	3
Costa Rica	2
Cuba	2
Ecuador	1
Mexico	3
Peru	1
Uruguay	2

22 RESEARCHERS FROM OUTSIDE THE INSTITUTE

Researchers

(FY2002)

Graduate School, etc.	Contract Researchers from Industrial Firms	Joint Researchers from Industrial Firms	Researchers under the in-service Program of Science Education for High School Teachers	Researchers from other Universities under the Monbu-kagakusho's Fellowship Program, etc.	Project Pesearchers	Researchers under the in-service Program of Industrial Education for Primary and Secondary School Teachers	※JSPS Postdoctoral Fellow				Total
							PD	DC2	DC1	Total	
Graduate School of Science and Engineering (Science)	1	3					22	13	10	45	49
Graduate School of Science and Engineering (Technology)	6	33			1		13	14	11	38	78
Graduate School of Bioscience and Biotechnology	1	10					13	13	9	35	46
Interdisciplinary Graduate School of Science and Engineering	2	19		1	1		3	10	4	17	40
Graduate School of Information Science and Engineering		1					4	1	1	6	7
Graduate School of Decision Science and Technology	2						1	2		3	5
Chemical Resources Laboratory	6	22					3	4	5	12	40
Precision and Intelligence Laboratory	5	7				1	1	3	4	8	21
Materials and Structures Laboratory	3	6					4	1	2	7	16
Research Laboratory for Nuclear Reactors		8					1			1	9
Center for Research and Development of Educational Technology			2								2
Global Scientific Information and Computing Center		1							2	2	3
Frontier Collaborative Research Center	2	45									47
Research and Development Center for Educational Facilities								1		1	1
Gene Research Center								1	1	2	2
Research Center for Carbon Recycling and Utilization		1									1
Research Center for Quantum Effect Electronics					1		2	2		4	5
Total	28	156	2	1	3	1	67	65	49	181	372

(Note) ※ JSPS: Japan Society for the Promotion of Science

Visiting Researchers for FY2002 By Schools, etc.

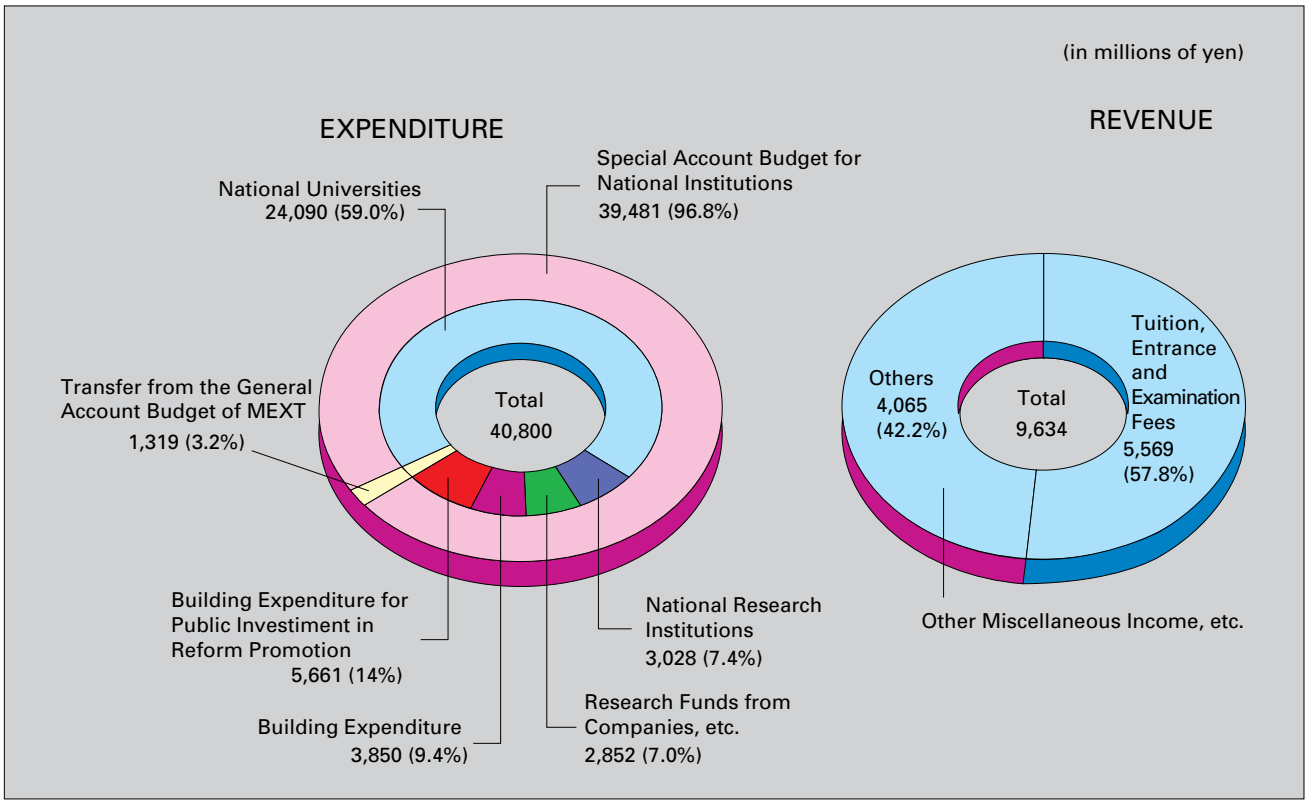
Graduate School, etc.	Number
Graduate School of Science and Engineering (Science)	20
Graduate School of Science and Engineering (Technology)	56
Graduate School of Bioscience and Biotechnology	10
Interdisciplinary Graduate School of Science and Technology	10
Graduate School of Information Science and Engineering	21
Graduate School of Decision Science and Technology	17
Chemical Resources Laboratory	13
Precision and Intelligence Laboratory	13
Materials and Structures Laboratory	5
Research Laboratory for Nuclear Reactors	17
Center for Research and Development for Educational Technology	1
Research Center for Quantum Effect Electronics	2
Frontier Collaborative Research Center	2
Gene Research Center	1
Foreign Language Research and Teaching Center	1
Total	189

By Countries/Regions

Countries/Regions		Number	Countries/Regions		Number
ASIA	Bangladesh	4	EUROPE	Bulgaria	2
	China	36		France	10
	India	7		Germany	2
	Iran	5		Hungary	1
	Indonesia	5		The Netherlands	2
	Israel	2		Romania	1
	Japan	2		Slovakia	2
	Korea	38		Slovenia	2
	Lebanon	1		Switzerland	2
	Nepal	2		U.K.	4
	Philippines	10		Kazakhstan	1
	Singapore	1		Russia	4
	Taiwan	1	AMERICA	Canada	1
	Thailand	12		U.S.A.	11
	Turkey	1		Brazil	2
OCEANIA	Australia	1	Others		7
AFRICA	Cameroon	1	Total		189
	Egypt	6			

23 FINANCE

(1) Budget for FY 2002



(2) Cooperative Research with the Private Sector for FY 2002

Type	Number of Subjects	Amount	
		in millions of yen	in millions of US $
Donations for Research	953	1,055	8.6
Contract Research	202	1,287	10.5
Joint Research	207	889	7.3
Total	1,362	3,231	26.4

(US $1=¥122)

(3) 21st Century COE Programs from MEXT for FY 2002

Program title and Field	Amount
Frontier System of Bioengineering Field: Life Sciences	268
Creation of Molecular Diversity and Development of Functionalities Field: Chemistry, Material Sciences	150
Nanomaterial Frontier Cultivation for Industrial Collaboration Field: Chemistry, Material Sciences	150
Photonic Nano-Device Integrated Engineering Field: Information Sciences, Electrical and Electronic Engineering	183
Total	751

(in millions of yen)

(4) Grants-in-Aid for Scientific Research from MEXT for FY 2002

	Number of Projects Approved	Total Amount Granted for Projects
Grants-in-Aid for Scientific Research	903	4,112

(in millions of yen)

Recent Trends in Grants-in-Aid for Scientific Research

(Note) The figure in parentheses represents overhead costs and is included in the total amount.

24 LAND AND BUILDINGS

(m²) (As of May 1, 2003)

	Campus	O-okayama	Suzukakedai	Tamachi	Others	Total
Land	Facilities	213,528	204,877	12,899	29,132(738)	460,436(738)
	Athletic Field	28,666		9,717	5,313	43,696
	Dormitories for Students				15,336	15,336
	Residences for Staffs	3,459		543	7,038	11,040
	Others	684	3,536			4,220
	Total	246,337	208,413	23,159	56,819(738)	534,728(738)
Buildings	School of Science	28,161				28,161
	School of Engineering	82,834				82,834
	Technical High School			12,424		12,424
	Imaging Science and Engineering Laboratory		2,040			2,040
	School of Bioscience and Biotechnology		20,067			20,067
	Graduate School of Information Science and Engineering	18,903				18,903
	Graduate School of Decision Science and Technology	24,153				24,153
	Interdisciplinary Graduate School of Science and Engineering		52,930			52,930
	Chemical Research Laboratory		7,061			7,061
	Resources Recycling Process Laboratory		534			534
	Precision and Intelligence Laboratory		9,211			9,211
	Materials and Structures Laboratory		8,902			8,902
	Center for Materials Design		801			801
	Research Laboratory for Nuclear Reactors	11,331				11,331
	Institute Library	7,100	2,910			10,010
	Health Service Center	493	282			775
	Center for Research and Development of Educational Technology	979				979
	Global Scientific Information and Computing	3,904				3,904
	Research Center for Low Temperature Physics	678				678
	Frontier Collaborative Research Center		7,408			7,408
	Research Center for Educational Facilities	1,214				1,214
	Volcanic Fluid Research Center	111			647	758
	International Student Office	1,060				1,060
	Research Center for Carbon Recycling and Energy	541				541
	Research Center for Quantum Effect Electronics	3,750				3,750
	Foreign Language Research and Teaching Center	1,959				1,959
	Center for Biological Resources and Informatics		5,081			5,081
	Venture Business Laboratory	1,978				1,978
	Incubation Center	998				998
	The 80th Anniversary Center for Research Administration Office		5,959			5,959
	International House	4,388			5,348	9,736
	Centennial Hall	1,090				1,090
	Museum of Evolving Earth	318				318
	Research Center for Urban Infrastructure	1,115				1,115
	Administration Bureau	4,248				4,248
	Facilities for Staff	2,141			261	2,402
	Athletic Field, Gymnasium, etc.	4,108		1,490		5,598
	Auditorium	1,234				1,234
	Student and Staff Hall, etc.	3,332	1,732			5,064
	Club Houses, Training Centers, Lodge, etc.	3,047	1,061		2,185	6,293
	Residences for Staff	1,485		1,512	5,824	8,821
	Dormitories for Students				4,214	4,214
	Others	25,723	8,323	9,061	84	43,191
	Total	242,376	134,302	24,487	18,563	419,728

(Note) Figures in parentheses represent rented land.

25 DEVELOPMENT OF THE INSTITUTE

(As of May 1, 2003)

Fiscal Year	Number of Students						Land (m^2)	Building (m^2)	Number of Books (Volumes)	Ordinary Expenditure (thousand yen)
	Undergraduate School		Graduate School							
	Admission Quota	Number of Graduates	Master's Course		Doctoral Course					
			Admission Quota	Number of Degrees Conferred	Admission Quota	Number of Degrees Conferred				
1929	150							3,834	21,525	922
1940	252	178					262,902	54,542	41,848	2,128
1945	400	358					312,211	58,499	92,925	188,297
1950	*460 300	392					312,211	58,499	92,925	188,297
1955	355	335	135		68	37	309,514	71,114	111,173	449,037
1960	505	387	145	44	73	12	309,484	78,581	145,107	787,191
1965	705	590	213	205	87	37	308,737	111,166	200,208	2,479,788
1970	895	776	294	348	149	72	484,515	146,473	284,677	4,460,070
1975	774	790	617	512	205	68	510,683	185,309	360,499	11,378,068
1976	774	788	619	564	221	72	515,858	212,402	374,747	12,444,538
1977	774	795	626	619	241	164	528,780	222,869	393,436	13,671,453
1978	774	816	636	661	241	99	528,780	245,151	411,268	13,863,816
1979	774	767	643	620	243	98	529,780	245,836	428,672	13,644,950
1980	774	775	643	613	248	91	529,515	245,791	444,765	14,288,084
1981	774	754	648	639	248	111	531,848	247,344	462,823	15,334,660
1982	784	789	648	652	250	92	531,848	248,987	482,949	16,136,258
1983	784	774	653	641	250	87	531,848	252,826	503,271	16,319,178
1984	794	778	660	690	250	108	531,848	252,687	520,143	18,447,184
1985	836	776	665	694	250	94	531,848	261,968	538,884	17,451,680
1986	961	816	668	750	250	118	531,848	264,316	556,030	17,993,471
1987	1,065	784	676	768	250	129	533,242	264,957	581,467	31,356,745
1988	1,182	844	679	758	250	150	533,242	276,168	613,130	21,479,631
1989	1,182	909	681	808	250	101	533,242	277,672	646,099	20,957,011
1990	1,182	1,107	720	840	250	139	533,242	277,672	647,330	23,215,776
1991	1,222	1,172	720	940	250	153	532,533	286,831	691,026	24,109,456
1992	1,277	1,174	798	950	287	168	532,533	286,831	700,299	28,095,902
1993	1,277	1,154	818	988	287	181	532,533	319,404	718,195	32,279,081
1994	1,277	1,202	868	1,113	304	192	535,239	319,404	732,794	29,809,781
1995	1,317	1,282	908	1,154	331	251	535,239	319,404	750,172	34,181,384
1996	1,297	1,329	997	1,215	372	255	535,239	325,360	764,654	31,119,213
1997	1,257	1,297	1,036	1,313	401	323	535,239	336,130	786,722	34,326,668
1998	1,187	1,341	1,109	1,358	446	289	534,319	335,851	804,326	34,688,830
1999	1,123	1,328	1,196	1,356	494	337	534,223	356,500	824,062	35,916,269
2000	1,068	1,237	1,290	1,488	534	349	534,728	362,769	840,766	37,216,446
2001	1,068	1,188	1,290	1,497	534	346	534,728	368,935	858,316	34,951,647
2002	1,068	1,243	1,290	1,538	534	291	534,728	396,634	871,089	39,480,972
2003	1,068		1,291		535		534,728	419,728	886,484	

(Note) *In the middle of the 1950s, the educational system was reformed. The upper figure of the admission quota of undergraduate students was provisioned under the old system and the lower one was provisioned under the new system.

26 LOCATION OF FACILITIES

Kazawa Training Center

Kizakiko Training Center

Oarai Training Center

① O-okayama Campus
2-12-1 O-okayama, Megure-ku, Tokyo 152-8550
Tel. 03-3726-1111

② Suzukakedai Campus
4259 Nagatsuta-cho, Midori-ku, Yokohama 226-8503
Tel. 045-922-1111

③ Tamachi Campus
3-3-6 Shibaura, Minato-ku, Tokyo 108-0023
Tel. 03-3453-2251

④ Shofu Dormitory, Shofu Gakusha
21-13 Matsukazedai, Aoba-ku, Yokohama 227-0067
Tel. 045-983-9521 (Shofu Dormitory)
Tel. 045-981-7115 (Shofu Gakusha)

⑤ Umegaoka Dormitory
17-2 Umegaoka, Aoba-ku, Yokohama 227-0052
Tel. 045-971-6473

⑥ Kazawa Training Center
1053-834, Aza-yunomaruyama, Oaza-kanbara,
Tsumagoi-mura, Agatsuma-gun, Gunma-ken 377-1524
Tel. 0279-98-0552

⑦ Oarai Training Center
257 Onuki-kakuichi, Oarai-machi,
Higashiibaraki-gun, Ibaraki-ken 311-1311
Tel. 0292-67-5007

⑧ Kizakiko Training Center
14771-1, Oaza-taira, Omachi-shi, Nagano-ken 398-0001
Tel. 0261-23-1184

⑨ Toda Boathouse
1-55 Toda-koen, Toda-shi, Saitama-ken 335-0024
Tel. 0484-42-5581

⑩ Yanagisawa-toge Lodge
2319-1, Aza-namezawa, Oaza-oyashiki,
Enzan-shi, Yamanashi-ken 404-0211

⑪ Volcanic Fluid Research Center
641-36, Aza-takijirihara, Oaza-kusatsu,
Kusatsu-cho, Agatsuma-gun, Gunma-ken 377-1711
Tel. 0279-88-7715

27 CAMPUS MAPS

1. O-okayama Campus

Address: 2-12-1 O-okayama, Meguro-ku, Tokyo 152-8550
Nearest Station: Tokyu Oimachi Line/Tokyu Meguro Line, O-okayama Station
Land: 246,337m²
Buildings: 234,950m²

①

③

②

④

① The Centennial Hall
② O-okayama West Building 9
③ Memorial of the late Dr. Gottfried Wagner, who was devoted to the development of Japanese ceramics at Tokyo Vocational School in the 1880's.
④ The Statue of the late Dr. Tejima who contributed to the progress of technical education in early stage of the Institute as Principal for 25 years from 1890.

<O-okayama East Area>
① Main Building
② Administration Bureau 1
③ Administration Bureau 2
④ Global Scientific Information and Computing Center
⑤ Institute Library
⑥ Main Gate
⑦ Centennial Hall
⑧ Museum of Evolving Earth
⑨ Hydraulics Laboratory
⑩ Student Hall (Cafeteria)
⑪ Auditorium

<O-okayama South Area>
⑫ Research Center for Low Temperature Physics
⑬ O-okayama East Buiding 1
⑭ O-okayama South Building 1
⑮ O-okayama South Building 2
⑯ O-okayama South Building 3
⑰ O-okayama South Building 5
⑱ O-okayama South Building 6
⑲ O-okayama South Building 8
⑳ O-okayama South Laboratory Building 2
㉑ O-okayama South Laboratory Building 4
㉒ O-okayama South Lecture Building
㉓ Research House of Supersonic Electronics
㉔ O-okayama South Building 7

<Ishikawadai Area>
㉕ South Gate
㉖ Ishikawadai Building 1
㉗ Ishikawadai Building 2
㉘ Ishikawadai Building 3
㉙ Ishikawadai Building 4
㉚ Ishikawadai Laboratory Building 1
㉛ Venture Business Laboratory
㉜ Global Scientific Information and Computing Center
㉝ Ishikawadai Building 5
㉞ Ishikawadai Building 6
㉟ International House

<O-okayama West Area>
㊵ Gymnasium
㊶ O-okayama West Building 1
㊷ O-okayama West Building 2
㊸ O-okayama West Building 3
㊹ O-okayama West Building 4
㊺ O-okayama West Building 5
㊻ O-okayama West Building 6
㊼ O-okayama West Building 7
㊽ O-okayama West Building 8 E
㊾ O-okayama West Building 8 W
㊿ O-okayama West Building 9
(51) Experiment Waste Liquid Disposal Facility

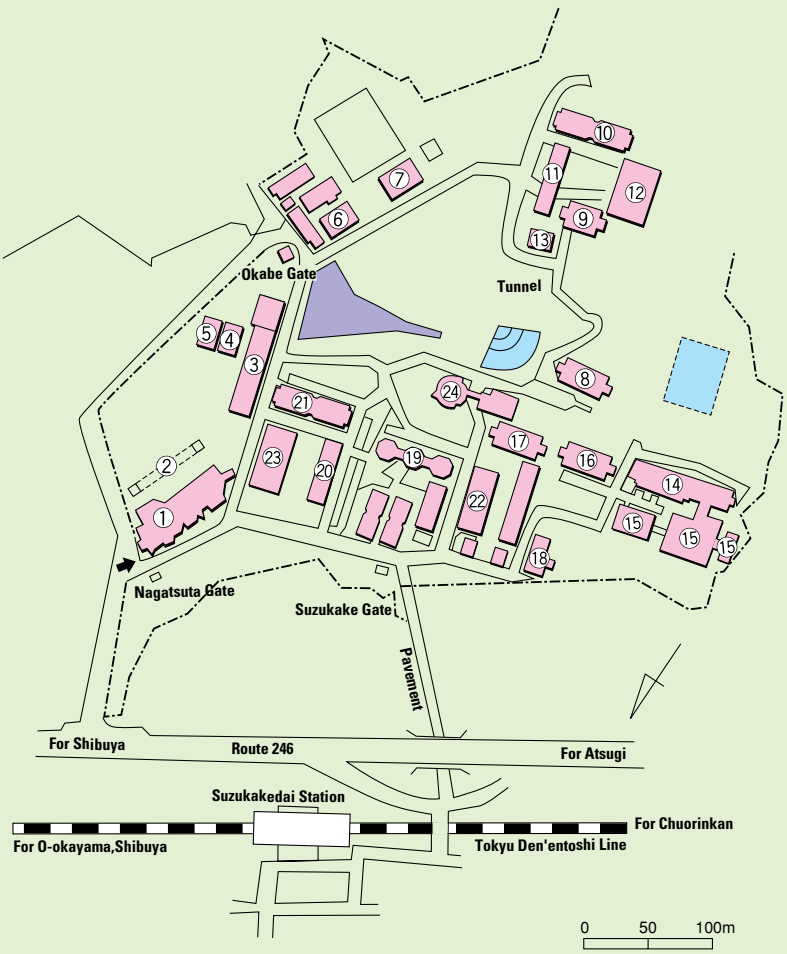
<O-okayama North Area>
(52) Health Service Center
(53) The 80th Anniversary Hall
(54) O-okayama North Building 1
(Research Laboratory for Nuclear Reactors)
(55) O-okayama North Building 2
(56) O-okayama North Laboratory Building 1
(57) O-okayama North Laboratory Building 2A
(58) O-okayama North Laboratory Building 2B
(59) O-okayama North Laboratory Building 3A
(60) O-okayama North Laboratory Building 3B
(61) O-okayama North Laboratory Building 4
(62) O-okayama North Laboratory Building 5
(63) O-okayama North Laboratory Building 6
(64) Radioisotope Laboratory
(65) Van de Graaff Laboratory

<Midorigaoka Area>
(66) West Gate
(67) Midorigaoka Building 1
(68) Midorigaoka Building 2
(69) Midorigaoka Building 3
(70) Midorigaoka Building 4
(71) Midorigaoka Lecture Building
(72) Research Center for Urban Infrastructure

2. Suzukakedai Campus

Address: 4259 Nagatsuta-cho, Midori-ku, Yokohama 226-8503
Nearest Station: Tokyu Den-entoshi Line, Suzukakedai Station
Land: 208,413m²
Buildings: 118,695m²

① The 80th Anniversary Center for Research Administration Office
② Laser Laboratory
③ Library
④ Ultra-high Voltage Electron Microscope Laboratory
⑤ Annex of the 80th Anniversary Center for Research Administration Office
⑥ Water Renovation Plant
⑦ Utility Center
⑧ Graduate School Building G1 (Interdisciplinary Graduate School of Science and Engineering)
⑨ Graduate School Building G2 (Interdisciplinary Graduate School of Science and Engineering)
⑩ Graduate School Building G3 (Interdisciplinary Graduate School of Science and Engineering)
⑪ Graduate School Building G4 (Interdisciplinary Graduate School of Science and Engineering)
⑫ Graduate School Building G5 (Interdisciplinary Graduate School of Science and Engineering)
⑬ MHD Laboratory
⑭ School of Bioscience and Biotechnology
⑮ Center for Biological Resources and Informatics
⑯ Interdepartmental Building J1
⑰ Materials and Structures Laboratory
Center for Materials Design
⑱ Functional Ceramics Laboratories
⑲ Precision and Intelligence Laboratory,
Imaging Science and Engineering Laboratory
⑳ Laboratory of Resources Recycling
㉑ Chemical Resources Laboratory
㉒ Creative Research Laboratory
㉓ Frontier Collaborative Research Center
㉔ Suzukake Hall



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Suzukakedai Campus

① Interdisciplinary Graduate School of Science and Engineering
② Creative Research Laboratory
③ The 80th Anniversary Center for Research
④ Materials and Structures Laboratory, Interdepartmental Building (J1)
⑤ Graduate School of Bioscience and Biotechnology
⑥ Chemical Resources Laboratory, Precision and Intelligence Laboratory

28 TECHNICAL HIGH SCHOOL ATTACHED TO THE SCHOOL OF ENGINEERING

Technical High School attached to the School of Engineering is a body whose main role is to put the Institute's research and development of a new educational system into practice, laying stress on the subjects of science and mathematics with an emphasis on science and technology. Its other role is to conduct pioneering research on new curricula as the nation's only technical high school in Japan. Characterized by learning through experience such as conducting experiments and practical studies, it was designated as a Super Science High School by the Ministry of Education, Culture, Sports, Science and Technology in 2002.

(As of May 1, 2003)

Divisions	Technical High School					Special Training Course	
	Admission	Enrollment				Admission	Enrollment
	Quota	1st year	2nd year	3rd year	Total	Quota	
Mechanical Engineering	40		41(1)	36(3)	77(4)	25	9(0)
Electrical Engineering	40		30(1)	21(4)	51(5)	25	34(8)
Electronics Engineering	40		40(7)	37(2)	77(9)		
Industrial Chemistry	40		41(4)	34(5)	75(9)	20	18(5)
Architecture & Building Engineering	40		42(10)	35(8)	77(18)	20	34(9)
1st year		190(22)			190(22)		
Total	200	190(22)	194(23)	163(22)	547(67)	90	95(22)

(Note) Figures given in parentheses represent the number of female students.

Bird's-eye view of Tamachi Campus

29 INSTITUTE CHRONOLOGY

1881	May	Tokyo Vocational School was founded by the Department of Education.
1890	March	Tokyo Vocational School was renamed Tokyo Technical School.
1901	May	Tokyo Technical School was renamed Tokyo Higher Technical School.
1929	April	The status of Tokyo Technical School was elevated to a degree-conferring University as Tokyo Kogyo Daigaku (Tokyo Institute of Technology).
1949	May	The National School Establishment Law was enacted. Tokyo Institute of Technology was reorganized under the reformed education system and the three-year course was expanded to a four-year course. The School of Engineering was established.
1951	April	The former Denpa Kogei High School and Kogei High School of Chiba University were integrated into the Technical High School and became part of the Institute.
1953	April	The Graduate School of Engineering was established.
1954	April	The Research Laboratory of Building Materials (established in 1934), Research Laboratory of Resources Utilization (established in 1939), Research Laboratory of Precision Machinery (established in 1939), Research Laboratory of Ceramic Industry (established in 1943), Research Laboratory of Electronics (established in 1944) and Research Laboratory of Fuel Science (established in 1944) were integrated into four research laboratories; Research Laboratory of Building Materials, Research Laboratory of Resources Utilization, Precision and Intelligence Laboratory and Research Laboratory of Ceramic Industry.
1955	July	The School of Engineering was renamed the School of Science and Engineering.
1956	April	The Graduate School of Engineering was renamed the Graduate School of Science and Engineering.
1958	March	The Research Laboratory of Building Materials and Research Laboratory of Ceramic Industry were abolished, and the Research Laboratory of Engineering Materials was established.
1964	April	The Research Laboratory for Nuclear Reactors was established.
1967	June	The School of Science and Engineering was divided into the School of Science and the School of Engineering. The Technical High School was attached to the School of Engineering.
1971	April	The Health Service Center was established.
1975	April	The Interdisciplinary Graduate School of Science and Engineering was established at Nagatsuta Campus. (present Suzukakedai Campus)
1976	May	The Computer Center was established.
1979	April	The International Cooperation Center for Science and Technology was established.
1982	April	The Center for Research Cooperation and Information Exchange was established.
1983	April	The Research Center for Educational Facilities was established.
1988	April	The Education Center for Foreign Students and the Kusatsu-Shirane Volcano Observatory were established.
1989	May	The Gene Research Center was established.
1990	June	The School of Bioscience and Biotechnology was established at Nagatsuta Campus.
1991	April	The Experimental Center for Very Low Temperature and Energy Technique was abolished (established in 1981) and the Research Center for Very Low Temperature System was established.
1992	April	The Graduate School of Bioscience and Biotechnology was established at Nagatsuta Campus. The Research Center of Carbon Recycling and Utilization was established.
1993	April	The Research Center for Educational Facilities was abolished and the Research and Development Center for Educational Facilities was established.
1994	June	The Graduate School of Information Science and Engineering was established. The Education Center for Foreign Students was abolished and the International Student Center was established. The Research Center for Quantum Effect Electronics and the Research Center for Experimental Biology were established.
1996	April	The Graduate School of Decision Science and Technology was established.
	May	The Foreign Language Research and Teaching Center was established. The Research Laboratory of Engineering Materials was reorganized to the Materials and Structures Laboratory.
1997	April	The Radioisotope Research Center was established.
1998	April	The Center for Research Cooperation and Information Exchange was abolished and the Frontier Collaborative Research Center was established.
1999	April	The Center for Research in Advanced Financial Technology was established.
2000	April	The Kusatsu-Shirane Volcano Observatory was abolished and the Volcanic Fluid Research Center was established.
2001	April	The Computer Center and The Internatinal Cooperation Center for Science and Technology were abolished and the Global Scientific Information and Computing Center was established. The Research Center for Very Low Temperature System was abolished and the Research Center for Low Temperature Physics was established.
2002	April	The Research Center for Carbon Recycling and Utilization was abolished and the Research Center for Carbon Recycling and Energy was established.
2003	April	The Research and Development Center for Educational Facilities was abolished and the Research Center for Educational Facilities was established. The Gene Research Center, Research Center for Experimental Biology and Radioisotope Research Center were abolished and the Center for Biological Resources and Informatics was established.

30 INSTITUTE PRESIDENTS

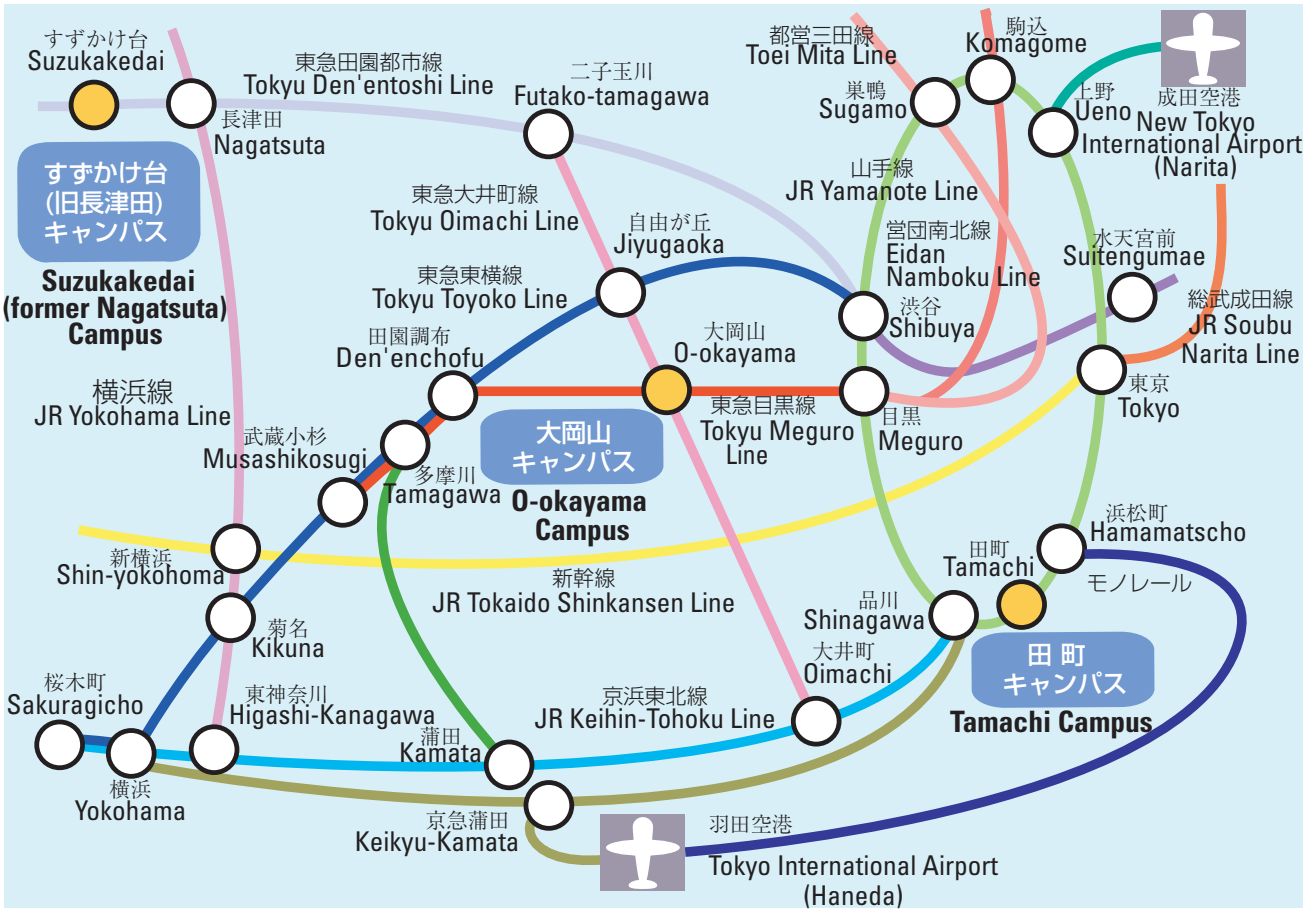
Principals

Tokyo Vocational School	(Acting) YAMAOKA, Jiro, 1881
	MASAKI, Taizo, 1881-1890
Tokyo Technical School	TEJIMA, Seiichi, 1890-1898
	SAKATA, Teiichi, 1898-1899
	TEJIMA, Seiichi, 1899-1901
Tokyo Higher Technical School	TEJIMA, Seiichi, 1901-1916
	SAKATA, Teiichi, 1916-1920
	YOSHITAKE, Einoshin, 1920-1926
	NAKAMURA, Kounosuke, 1926-1929

Presidents

Tokyo Institute of Technology	NAKAMURA, Kounosuke, 1929-1942
	YAGI, Hidetsugu, 1942-1944
	WADA, Koroku, 1944-1952
	(Acting) YAMAMOTO, Isamu, 1952
	UCHIDA, Shun-ichi, 1952-1958
	YAMAUCHI, Toshiyoshi, 1958-1962
	OHYAMA, Yoshitoshi, 1962-1966
	SANEYOSHI, Jun-ichi, 1966-1968
	(Acting) SHIBA, Tadao, 1968
	SHIBA, Tadao, 1968-1969
	(Acting) KATO, Mutsumi, 1969
	KATO, Mutsumi, 1969-1973
	KAWAKAMI, Masamitsu, 1973-1977
	SAITO, Shinroku, 1977-1981
	MATSUDA, Takehiko, 1981-1985
	TANAKA, Ikuzo, 1985-1989
	SUEMATSU, Yasuharu, 1989-1993
	KIMURA, Tsutomu, 1993-1997
	NAITO, Yoshiyuki, 1997-2001
	AIZAWA, Masuo, 2001-

LOCATION



O-okayama Campus	2min walk from Tokyu Oimachi Line/Tokyu Meguro Line O-okayama station ☎(03)3726-1111 (number guidance)
Suzukakedai Campus	5min walk from Tokyu Den'entoshi Line Suzukakedai station ☎(045)922-1111 (number guidance)
Tamachi Campus	2min walk from JR Yamanote Line/Keihin-Tohoku Line Tamachi Station ☎(03)3453-2251 (main)

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