

# Tohoku University Fact Book 2008

東北大学概要 2008



TOHOKU  
UNIVERSITY

## CONTENTS

### Introduction

Historical Background .....	01
Mission Statement and Towards Tohoku University 2016 ..	02
Message from the President .....	03
Tohoku University's Official Symbol, School Colors, Song and Logo .....	04
Presidents of Tohoku University .....	05
Japan Academy Members .....	06
Chronological Chart .....	07
Prize Winners .....	09
University Awards .....	12
The 100 <sup>th</sup> Anniversary Projects .....	14

### Organization

Organization Chart .....	17
Administrative Staff .....	20
President Election Committee .....	22
Board of Directors .....	22
Management Committee .....	22
Education and Research Council .....	23
University Personnel .....	24
Faculties .....	25
Graduate Schools .....	25
Research Institutes .....	26
Inter-Department Institutes for Education and Research ..	26
University Collaborating Institutions .....	27
Institute of Liberal Arts and Sciences .....	27
WPI Advanced Institute for Materials Research (WPI-AIMR) ..	27
Information Synergy Organization .....	27
University Library .....	28
University Hospital .....	29

### Students

Number of Students .....	31
Result of Entrance Examination .....	32
Number of Degrees Conferred .....	33
After Graduation Status .....	34
"Gakuyu-kai" Extracurricular Activities .....	35

### Finance

Summary of Financial Statements of FY2007 .....	37
Research Funds .....	38
Land and Buildings .....	39

### Major Research Projects

World Premier International Research Center (WPI) .....	41
Research Programs .....	41
Education Programs .....	43
Endowed Chairs and Research Divisions .....	45
Cooperation with Industry .....	46
Intellectual Properties .....	47
Cooperation with Community .....	47
Citations .....	47

### International Exchange

Principles of Strategy for International Exchange .....	49
Activities for International Exchange .....	49
International Symposium .....	51
Students Exchange Programs .....	52
Agreements on Academic Exchange with Foreign Institutions .....	53
Academic Exchange .....	59
Number of International Students .....	61
Statistics on Personnel Exchange .....	63
Overseas Office .....	63

### Campuses

Sendai City .....	65
Location of the Campuses .....	66
International House .....	68
Campus Map .....	69

## Historical Background

Tohoku University was founded in 1907 as the third Imperial University of Japan, following the Tokyo Imperial University and Kyoto Imperial University; and from its start, it displayed to the world an unswerving commitment of an "Open-Door" policy. Departing from the norms of other imperial universities, it has accepted graduates from technical schools and higher normal schools, and despite the opposition from the government at that time, becoming Japan's First National University to admit female students in 1913 (admitting three in that year).

At the time of its founding, Tohoku University was able to attract a group of young and brilliant researchers who had trained around the world to serve on its faculty. As part of this reason, a "Research First" principle came to develop, which calls upon their scholars to not only pursue highly productive research but to also put their findings to work in the teaching of their students. In addition to this, Tohoku University has nurtured a tradition of "Practice-Oriented Research and Education," in which their results of cutting-edge research are being put to use for the good of society and the improvement of life style. Evident of our pioneering practice (before the World War II period), are the set up in local venture businesses which foster regional industry and our status as the nation's center for research on family law; the domestic branch of law which is closely associated with our daily lives.

This spirit, which continued strongly through World War II and the rapid economic growth of the postwar period, still remains alive and can be seen in today's new era of advanced globalization.

December 27, 2005

## ■ Mission Statement

Tohoku University is committed to the “Research First” principle and “Open-Door” policy since its foundation, and is internationally recognized for its outstanding standards in education and research. The university contributes to world peace and equity by devoting itself to research useful in the solutions of societal problems and for the education of human resources in the capacities of leadership.

## ■ Towards Tohoku University 2016

In order to fulfill this mission, Tohoku University will carry out the following objectives within the following 10 years.

### Establish an internationally recognized university and research center

- Consistently produce top research in a broad spectrum of fields, including the natural sciences, humanities and social sciences.
- Create cutting edge research institutions and other forums capable of responding to the rapid dissemination of knowledge and a knowledge-based society.
- Establish the presence and reputation as an international locus in general research by maintaining intimate relationships with major national and international research networks.

### Nurture human resources capable of leadership contributing to the knowledge and advancement of society

- The faculty’s cutting edge research will be reflected in their teaching.
- Content and pedagogy of all courses will be that of a top level educational institution.
- Establish an educational foundation which enables students to explore new avenues of human knowledge and to become aware of responsibilities in leadership.
- Develop educational programs and institutions that foster outstanding, internationally-minded specialists with theoretical and practical knowledge.

### Contributions to the community and to the world

- Contribute to the development of community and humanity by making available to the world the benefits of research and of human resources with exceptional leadership abilities.
- Giving out equal opportunity to all capable, highly motivated students and faculty, regardless of nationality, race or religion, age or gender, or any other social standing.
- In keeping with our tradition of practice-oriented research and education, create a science park by further promoting university-industry collaboration.
- Dramatically increase the quality and availability of public education, and the consultative services requiring specialized knowledge.
- Open the campus to the general public and consider ways in which the university’s intellectual and material resources such as the libraries, academic materials and facilities can be beneficially utilized.

### Establish a culture, environment and management system appropriate for an internationally renowned research and education institution

- Maintain and further develop a university culture that will stimulate the creation of world-class research and education.
- Create an atmosphere conducive to intellectual activities by bringing aesthetic unity to campus and to its natural surroundings.
- Establish a human, material and financial base in a management system which allows a world-class research and educational institution to develop quickly and flexibly.

## Aiming to Be a World-Leading University

Ever since Tohoku University was established in 1907, our philosophy has always been “*Research First*” and maintain an “*Open-Door*” policy for emphasizing a “*Practice-Oriented Research and Education*.” Over the years, this has enabled us to offer our students world-class education and for them to carry out world-class research. Moreover, the results of our research have proven useful in solving many problems facing society, and by educating leaders; we have contributed in establishing a just and peaceful society. Our university’s history has been built through diligent accomplishments and efforts of those who have passed through the halls of our campuses and facilities during ten decades of education. The alumni, the educators, administrative staff and the supporting community have all taken part in the development of our unique institution.



Humanity today is facing a variety of difficult and complex challenges which need to be addressed on a global basis. By applying the knowledge we have accumulated over the past century, and by continuing our efforts to achieve innovation in the fields of research and education, our university is determined to play a leading role as a “world-leading university” in helping humanity overcome various challenges that it faces today.

Resolved to become a world-class university and capable of playing a leading role, solving the problems facing humanity; we have come to realize that in trying to direct the future course of development, Tohoku University should revolve its efforts around three key words: “*Challenge*,” “*Creation*,” and “*Innovation*.” At its core, there must be a spirit of “*Challenge*” which will motivate us to achieve a level of excellence required to build the society of the future.

As a “*transmitter of knowledge*,” Tohoku University aims to serve society by training a large number of graduates equipped with indomitable spirit and by developing human resources capable of playing leading roles in various fields on the international stage.

Furthermore, as a “*creator of knowledge*,” our goal will use the energies generated by our spirit of challenge to create a world-class knowledge and contribute to the progress of human society by employing practical applications of this knowledge. We will promote interdisciplinary research with a transdisciplinary emphasis in an effort to find innovative solutions to problems in the areas of environment, energy, food, life sciences, and social welfare.

As an “*enterprise of knowledge*” which welcomes input from both inside and outside the university, we are able to develop strategies to accomplish our goals. By taking advantage of the best minds available, from both within the university and those beyond its walls, and by fully exploiting the capacities we have developed over the years, I am fully convinced that we will be able to open the way to a very bright future for ourselves as an absolute world-class research-intensive university.

As we aim to become a “world-leading university,” Tohoku University has formulated a practical strategy based on these three principles called the “Inoue Plan 2007” (March, 2007) which is based upon three principles and consists of 5 areas - education, research, community service, the campus environment and organization/management.

Looking back to accomplishments in our first year since the plan started, we find ourselves with numerous projects which are steadily making progress. In the area of education, our university has reestablished a liberal arts curriculum which improves implementation structures indigenous to Tohoku University. The university has also actively adopted overseas internship programs.



In the research area, we have established an “International Advanced Research and Education Organization” in order to train researchers to lead the academic world in the 21<sup>st</sup> century. At this organization, the researches are instructed by those who possess distinctive intelligence and integrative ability to be creative. And in addition, we have submitted a proposal on a basic concept presented through the international institute of advanced studies for materials research to the World Premier International Research Center Initiative which, as a result, enabled us to begin the “WPI Advanced Institute for Materials Research.”

Additionally, the followings are approaches which we are still in progress with and are unique to Tohoku University: encouraging the entrepreneurs to undertake business through industry-academia collaboration, upgrading the facilities to meet the international standards throughout the world, reorganizing the human resource system in order to support the researchers’ competitive skills internationally, and establishing Tohoku University Foundation, etc. We are very proud of these approaches which are full of originalities created trilaterally by the instructors, students, and the alumni who have stimulated one another to develop.

Tohoku University has made an enormous step forward to create a new page to our 100-year-old history in 2008. Meanwhile, in this era where environment surrounding the university changes and moves forward so quickly, we are entrusted to contribute to humanity as the source of intelligence. It therefore becomes essential for the university to continuously encourage the researchers to pursue in new types of research and education. It is also imperative for us to continuously change and succeed ourselves with persevering spirit and sincere academic endeavour.

We will share with you our vision of the future mission and direction of Tohoku University, and with your help I am convinced that we will become a university which is trusted, respected and loved by the surrounding community, one which will contribute significantly in the advancement and prosperity of the mankind.

June 2008

Akihisa INOUE, Ph.D.

President of Tohoku University

## ■ Tohoku University’s Official Symbol, School Colors, Song and Logo



In June 2007, and for the first time in the long history of our University, we were pleased to announce our Official School Symbol, Colors and Song. On this occasion, Tohoku University’s Logo was adapted as its Official Symbol and its official color “purple” is in its Logo which was also adapted as her School Color. “Aobamoyuru-konomichinoku” is a well-beloved song of Tohoku University and was selected as our Official School Song, it had been one of the school songs, sung by the Tohoku University Students’ Association in 1953 and has been since then passed down for the generations.

Our Logo, which was created in April 2005, with the aims to enhance international recognition and status; and in the light of its auspicious centenary anniversary of June 2007, established the markings for our university’s landmark. Based upon key concepts of “creativity” “globality” and “tradition”; we have established the Hagi, better known as the Bush Clover, as a motif which is a traditional symbol for Sendai and Miyagino. The Hagi also represents a dignified and dynamic image of moving deeper into the world. Our University Official Colors are “purple” and “black”; with the purple symbolizing intelligence and creativity, and with the black representing diligence and the power of practice.

## Presidents of Tohoku University

Number	President	Took office	Left office
1st	Masataro Sawayanagi	March 24, 1911	May 8, 1913
2nd	Tokiyuki Hojo	May 9, 1913	August 24, 1917
(Acting President)	Masataka Ogawa	August 25, 1917	October 14, 1917
3rd	Ryojiro Fukuhara	October 15, 1917	June 20, 1919
4th	Masataka Ogawa	June 21, 1919	June 14, 1928
5th	Nikichi Inoue	June 15, 1928	June 14, 1931
6th	Kotaro Honda	June 15, 1931	May 30, 1940
7th	Taizo Kumagai	May 31, 1940	February 11, 1946
8th	Yasutaro Satake	February 12, 1946	March 31, 1949
9th	Satomi Takahashi	April 1, 1949	June 30, 1957
10th	Toshio Kurokawa	July 1, 1957	June 30, 1963
11th	Teruji Ishizu	July 1, 1963	October 4, 1965
(Acting President)	Isao Motomura	October 5, 1965	November 19, 1965
12th	Koichi Motokawa	November 20, 1965	February 2, 1971
(Acting President)	Yahiko Mizuno	February 3, 1971	April 30, 1971
13th	Mutsuo Kato	May 1, 1971	April 30, 1977
14th	Shiro Maeda	May 1, 1977	April 30, 1983
15th	Nakao Ishida	May 1, 1983	April 30, 1989
16th	Shigemori Ohtani	May 1, 1989	September 30, 1990
(Acting President)	Kaoru Yoshinaga	October 1, 1990	November 5, 1990
17th	Jun-ichi Nishizawa	November 6, 1990	November 5, 1996
18th	Hiroyuki Abé	November 6, 1996	November 5, 2002
19th	Takashi Yoshimoto	November 6, 2002	November 5, 2006
20th	Akihisa Inoue	November 6, 2006	



1st  
Masataro Sawayanagi  
(Education)



2nd  
Tokiyuki Hojo  
(Mathematics)



3rd  
Ryojiro Fukuhara  
(Education)



4th  
Masataka Ogawa  
(Chemistry)



5th  
Nikichi Inoue  
(Chemistry)



6th  
Kotaro Honda  
(Physics)



7th  
Taizo Kumagai  
(Medicine)



8th  
Yasutaro Satake  
(Medicine)



9th  
Satomi Takahashi  
(Philosophy)



10th  
Toshio Kurokawa  
(Medicine)



11th  
Teruji Ishizu  
(Philosophy)



12th  
Koichi Motokawa  
(Medicine)



13th  
Mutsuo Kato  
(Biology)



14th  
Shiro Maeda  
(Engineering)



15th  
Nakao Ishida  
(Medicine)



16th  
Shigemori Ohtani  
(Engineering)



17th  
Jun-ichi Nishizawa  
(Engineering)



18th  
Hiroyuki Abé  
(Engineering)



19th  
Takashi Yoshimoto  
(Medicine)

# Japan Academy Members

## Japan Academy Members

Inducted	Name	Affiliation
1922	Kotaro Honda	Research Institute for Iron, Steel and other Metals
1925	Matsusaburo Fujiwara	Faculty of Science
1925	Hisakatsu Yabe	Faculty of Science
1926	Riko Majima	Faculty of Science
1932	Shukusuke Kozu	Faculty of Science
1934	Soichi Kakeya	Faculty of Science
1937	Takeo Kato	Faculty of Science
1937	Noburu Orui	Faculty of Law and Letters
1937	Masao Katayama	Faculty of Science
1939	Keita Shibata	College of Agriculture
1942	Yoshio Takeuchi	Faculty of Law and Letters
1943	Taizo Kumagai	Faculty of Medicine
1944	Yusuke Hagihara	Faculty of Science
1945	Hakuju Ui	Faculty of Law and Letters
1946	Gennosuke Fuse	Faculty of Medicine
1947	Hajime Tanabe	Faculty of Science
1947	Jiro Abe	Faculty of Law and Letters
1947	Tadahiko Kubota	Faculty of Science
1947	Matasuke Kawamura	Faculty of Law and Letters
1947	Ikusaku Amemiya	Institute of Agricultural Research
1949	Kochi Doi	Faculty of Law and Letters
1950	Seiya Ito	College of Agriculture
1950	Sozo Komachiya	Faculty of Law and Letters
1950	Yasutaro Satake	School of Medicine
1950	Satomi Takahashi	Faculty of Law and Letters
1950	Masaichi Majima	Faculty of Science
1950	Shonen Matsumura	College of Agriculture
1950	Takejiro Murakami	Research Institute for Iron, Steel and other Metals
1951	Toyotaka Komiya	Faculty of Law and Letters
1951	Hidetsugu Yagi	Faculty of Engineering
1953	Masaharu Aoki	Faculty of Law and Letters
1953	Ken Ishihara	Faculty of Law and Letters
1953	Kotondo Hasebe	Faculty of Medicine
1957	Yoshimaro Tanaka	College of Agriculture
1957	Ryuzaburo Hara	Research Institute for Non-Aqueous Solution
1958	Jitsusaburo Sameshima	Faculty of Science
1960	Toyojiro Kato	Faculty of Medicine
1960	Masaakira Katsumoto	Faculty of Law and Letters
1960	Hakaru Masumoto	Research Institute for Iron, Steel and other Metals
1961	Seiji Kaya	Research Institute for Iron, Steel and other Metals
1963	Yensho Kanakura	Faculty of Arts and Letters
1964	Shiro Akabori	Faculty of Science
1964	Tetsu Sakamura	College of Agriculture
1964	Ryoichi Taoka	Faculty of Law and Letters

Inducted	Name	Affiliation
1964	Zennosuke Nakagawa	Faculty of Law and Letters
1965	Yoshie Okazaki	Faculty of Law and Letters
1965	Toshio Kurokawa	Faculty of Medicine
1965	Tomizo Yoshida	Faculty of Medicine
1965	Fukusaburo Numachi	Institute of High Speed Mechanics
1966	Teizo Ogawa	Faculty of Medicine
1966	Tsuneo Hori	Faculty of Law and Letters
1967	Kameji Kimura	Faculty of Law
1967	Shiro Kiyomiya	Faculty of Law and Letters
1968	Goichi Miyake	Faculty of Law and Letters
1968	Koichi Motokawa	Faculty of Medicine
1970	Jun Hanzawa	College of Agriculture
1974	Munio Kotake	Faculty of Science
1974	Giichi Yamamoto	Faculty of Science
1976	Heisuke Hironaka	Faculty of Science
1976	Masamichi Shinmei	Faculty of Law and Letters
1976	Toshio Sugi	Faculty of Law and Letters
1976	Shinzo Takayanagi	Faculty of Law and Letters
1977	Kozo Okamoto	Faculty of Medicine
1977	Kenzo Nagai	Faculty of Engineering
1977	Tetsuo Nozoe	Faculty of Science
1977	Yoshimoto Yanase	Faculty of Law and Letters
1979	Yunoshin Imai	Research Institute for Iron, Steel and other Metals
1979	Yotsuo Toriyama	Faculty of Engineering
1981	Shinji Takahashi	Faculty of Medicine
1983	Yokichi Yajima	Faculty of Arts and Letters
1985	Yoshio Kato	Faculty of Science
1986	Hisao Kumagai	Faculty of Economics
1989	Tamaki Ogawa	Faculty of Law and Letters
1992	Hiroshi Tsuji	Faculty of Engineering
1994	Hidesato Ito	Institute of High Speed Mechanics
1994	Shigeru Oda	Faculty of Law
1995	Jun-ichi Nishizawa	Research Institute of Electrical Communication
1996	Tatsuro Matsumoto	Faculty of Agriculture
1996	Takeo Yokobori	School of Engineering
1997	Koichi Hiwatashi	Faculty of Science
1998	Rokuya Suzuki	Faculty of Law
2000	Yoichi Higuchi	Faculty of Law
2001	Ryoen Minamoto	Faculty of Arts and Letters
2002	Osamu Kaneya	Faculty of Arts and Letters
2003	Shunichi Iwasaki	Research Institute of Electrical Communication
2006	Koichi Tanaka	School of Engineering; Honorary Doctor
2006	Akihisa Inoue	Institute for Materials Research

## Chronological Chart

Aug. 1876 Sapporo Agricultural College — 1907 **Foundation of University** — Sep. 1907 College of Agriculture — Apr. 1918 Hokkaido Imperial University — Jun. 1907 **Tohoku Imperial University** — Apr. 1919 Imperial University Law enacted — Oct. 1947 **Tohoku University** — May 1949 Reorganized under the National School Establishment Law — Apr. 1953 Graduate Schools established under the new educational system

Jan. 1911 College of Science — Apr. 1919 Faculty of Science — Apr. 1919 Faculty of Medicine — May 1939 Temporary Medical College — Mar. 1944 Medical College — Jul. 1915 College of Medicine — Apr. 1918 Closed — Apr. 1912 Medical Department — Apr. 1901 Sendai Medical College — Aug. 1887 Medical Department of the Second Tertiary School — Apr. 1906 Sendai College of Engineering (Sendai Koto Kogyo Gakko) — Apr. 1912 Engineering Department — May 1919 Faculty of Engineering — Apr. 1921 Sendai College of Engineering (Sendai Koto Kogyo Gakko) — Apr. 1944 Sendai College of Engineering (Sendai Kogyo Senmon Gakko) — Apr. 1947 Faculty of Agriculture — Aug. 1922 Faculty of Law and Letters — Apr. 1949 Divided into three Faculties



Main Gate in the early Showa period



University Archives (Old Library in the early Showa period)

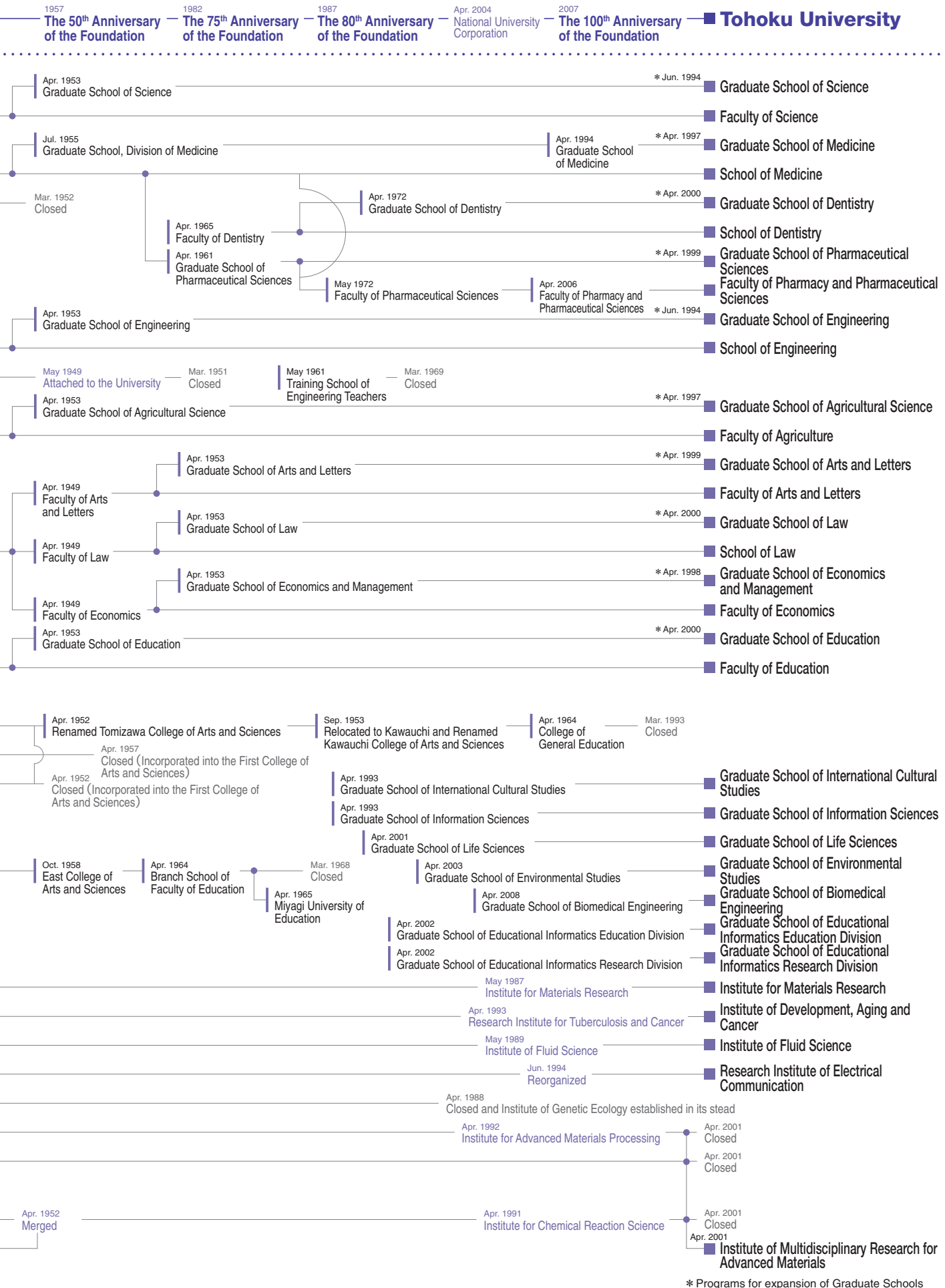
Apr. 1887 The Second Tertiary School — Jun. 1894 The Second Higher School, Preparatory Course for University — Apr. 1919 The Second Higher School — May 1949 Faculty of Education — May 1949 Attached to the University — Mar. 1950 Closed — Jun. 1949 First College of Arts and Sciences — Jun. 1949 Second College of Arts and Sciences — Jun. 1949 Third College of Arts and Sciences — Apr. 1926 Miyagi Prefectural College for Women — May 1949 Incorporated into the University — Mar. 1951 Closed — Apr. 1943 Miyagi Normal School — May 1949 Attached to the University — Mar. 1951 Closed — Apr. 1886 Miyagi Prefectural Normal School for Primary Education — Apr. 1898 Miyagi Prefectural Normal School — Apr. 1913 Miyagi Prefectural Women's Normal School — Jun. 1949 Education College of Arts and Sciences — Apr. 1957 Renamed North College of Arts and Sciences — Oct. 1958 Relocated to Kawauchi — Apr. 1945 Miyagi Normal School for Youth — Jun. 1949 Attached to the University — Mar. 1951 Closed



Katahira Campus

May 1919 Iron and Steel Research Institute — Aug. 1922 Research Institute for Iron, Steel and other Metals — Dec. 1941 Research Institute for Tuberculosis and Leprosy — Oct. 1943 Institute of High Speed Mechanics — Sep. 1935 Research Institute of Electrical Communication affiliated with Tohoku University — Jan. 1944 Research Institute of Electrical Communication — Aug. 1939 Institute for Agricultural Research — Mar. 1941 Research Institute for Mineral Dressing and Metallurgy — Jan. 1943 Research Institute for Scientific Measurements — Oct. 1943 Institute of Aero-Medicine — Jan. 1946 Closed — Jan. 1944 Research Institute for Non-Aqueous Solution — Jan. 1945 Research Institute for Glass





## Nobel Laureate

Year Awarded	Recipient	Affiliation
1987	Hans Heinrich Rohrer	Visiting Professor, Institute for Materials Research; Honorary Doctor
1999	Ahmet H. Zewail	University Professor; Honorary Doctor
2002	Koichi Tanaka	Visiting Professor, Graduate School of Engineering; Honorary Doctor
2007	Peter Grünberg	Visiting Professor, Institute for Materials Research; Honorary Doctor

## Recipients of the Japan's Order of Culture / The Person of Cultural Merit Award

Japan's Order of Culture honors significant contributions to the advancement or improvement of science, technology, the arts, or culture. The conferment ceremony held yearly on November 3rd (Culture Day) at the Imperial Palace, the Matsu-no-Ma State Room, and is awarded by His Majesty the Emperor of Japan. The Person of Cultural Merit Award is the second highest cultural honor in Japan in precedence only to the Japan's Order of Culture and is awarded to individuals who have made particularly notable achievements related to the development or refinement of culture.

Order of Culture (Year Awarded)	Person of Cultural Merit Award	Recipient	Affiliation	Order of Culture (Year Awarded)	Person of Cultural Merit Award	Recipient	Affiliation
1937	1951	Kotaro Honda	Research Institute for Iron, Steel and other Metals	2002	2002	Koichi Tanaka	School of Engineering; Honorary Doctor
1944	1951	Kinjiro Okabe	Faculty of Engineering	2007	1999	Koji Nakanishi	Faculty of Science
1946		Kingo Miyabe	College of Agriculture	—	1954	Shonen Matsumura	College of Agriculture
1949	1951	Riko Majima	Faculty of Science	—	1958	Satomi Takahashi	Faculty of Law and Letters
1949	1951	Takematsu Okada	Faculty of Science	—	1959	Seiya Ito	College of Agriculture
1950	1951	Hajime Tanabe	Faculty of Science	—	1960	Yoshio Takeuchi	Faculty of Law and Letters
1950	1951	Bansui Tsuchii	Faculty of Law and Letters	—	1963	Ryuzaburo Hara	Research Institute for Non-Aqueous Solution
1952	1952	Taizo Kumagai	Research Institute for Tuberculosis and Leprosy	—	1965	Masaichi Majima	Faculty of Science
1953	1952	Hisakatsu Yabe	Faculty of Science	—	1970	Yasushi Watanabe	Research Institute of Electrical Communication
1953	1952	Hakuju Ui	Faculty of Law and Letters	—	1976	Tetsu Sakamura	College of Agriculture
1954	1954	Yusuke Hagihara	Faculty of Science	—	1976	Fukusaburo Numachi	Institute of High Speed Mechanics
1955	1955	Hakaru Masumoto	Research Institute for Iron, Steel and other Metals	—	1978	Takeshi Takei	Faculty of Science
1956	1956	Takejiro Murakami	Research Institute for Iron, Steel and other Metals	—	1985	Yensho Kanakura	Faculty of Arts and Letters
1956	1956	Hidetsugu Yagi	Faculty of Engineering	—	1986	Yorio Hinuma	Faculty of Dentistry
1957	1953	Yoshio Yamada	Faculty of Law and Letters	—	1987	Shunichi Iwasaki	Research Institute of Electrical Communication
1958	1958	Tetsuo Nozoe	Faculty of Science	—	1992	Yunoshin Imai	Institute for Materials Research
1959	1959	Tomizo Yoshida	Faculty of Medicine	—	1992	Kinji Shimada	Faculty of Law and Letters
1964	1964	Seiji Kaya	Research Institute for Iron, Steel and other Metals	—	2000	Takeo Yokobori	School of Engineering
1965	1965	Shiro Akabori	Faculty of Science	—	2000	Tsuyoshi Masumoto	Institute for Materials Research
1968	1968	Toshio Kurokawa	Faculty of Medicine	—	2002	Donald Keene	Visiting Professor, Faculty of Arts and Letters; Honorary Doctor
1971	1971	Takuma Yasui	Faculty of Economics	—	2003	Yasuo Iwata	Faculty of Arts and Letters
1973	1962	Ken Ishihara	Faculty of Arts and Letters	—	2003	Sumio Iijima	Research Institute for Scientific Measurements
1975	1975	Heisuke Hironaka	Faculty of Science	—	2006	Hidesato Ito	Institute of High Speed Mechanics
1984	1979	Shinji Takahashi	Faculty of Medicine	—	2007	Shigeru Oda	School of Law
1987	1979	Takeo Kuwabara	Faculty of Law and Letters	—	2007	Hideki Sakurai	Faculty of Science
1989	1983	Jun-ichi Nishizawa	Research Institute of Electrical Communication				

### Japan Academy Prize (Imperial Prize)

Of all the awards the Japan Academy presents, the Imperial Prize is particularly esteemed. A maximum of nine recipients are selected yearly for the Japan Academy Prize. Both the Imperial and Japan Academy Prizes were established in 1910 and from among the nine recipients, up to one in each of the program's two sections (Section I: Humanities and Social Sciences and Section II: Pure Sciences and Their Applications) is selected for the Imperial Prize. Recipients of the Imperial Prize receive a certificate and a vase presented as an imperial gift by His Majesty the Emperor of Japan.

Year Awarded	Recipient	Affiliation	Year Awarded	Recipient	Affiliation
1918(8th)	Keita Shibata	College of Agriculture	1960(50th)	Osamu Takata	Faculty of Arts and Letters
1919(9th)	Jun Ishihara	Faculty of Science	1960(50th)	Tsugio Miya	Faculty of Arts and Letters
1921(11th)	Gennosuke Fuse	Faculty of Medicine	1977(67th)	Shinji Takahashi	Faculty of Medicine
1928(18th)	Soichi Kakeya	Faculty of Science	1982(72nd)	Shizuo Kakutani	Faculty of Science
1936(26th)	Tomizo Yoshida	Faculty of Medicine	1989(79th)	Yorio Hinuma	Faculty of Dentistry
1941(31st)	Kinjiro Okabe	Faculty of Engineering	1990(80th)	Koji Nakanishi	Faculty of Science
1946(36th)	Hakaru Masumoto	Research Institute for Iron, Steel and other Metals	1994(84th)	Hideki Sakurai	Faculty of Science
1953(43rd)	Tomizo Yoshida	Faculty of Medicine	2002(92nd)	Sumio Iijima	Research Institute for Scientific Measurements
1957(47th)	Hajime Nakamura	Faculty of Arts and Letters	2004(94th)	Takeshi Yasumoto	Faculty of Agriculture

### Japan Academy Prize

The Japan Academy is an honorary organization composed of scientists and academics who possess distinguished records of academic achievement. The Academy operates under the auspices of the Ministry of Education, Culture, Sports, Science and Technology and initiates and conducts activities that contribute to scientific and academic progress, while providing benefits to its members. The Japan Academy awards prizes to persons who have achieved notable research or who have authored particularly outstanding academic papers or books. The prizes conferred by the Japan Academy are the most prestigious of Japan's Academic Awards.

Year Awarded	Recipient	Affiliation	Year Awarded	Recipient	Affiliation
1914 (4th)	Shirota Kusakabe	Faculty of Science	1942 (32nd)	Seiji Kaya	Research Institute for Iron, Steel and other Metals
1916 (6th)	Kotaro Honda	Research Institute for Iron, Steel and other Metals	1943 (33rd)	Gyokujo Kihara	Faculty of Medicine
1917 (7th)	Riko Majima	Faculty of Science	1944 (34th)	Munio Kotake	Faculty of Science
1919 (9th)	Koichi Ichikawa	College of Agriculture	1944 (34th)	Hiroshi Terao	Institute of Agricultural Research
1921 (11th)	Hikoshichiro Matsumoto	Faculty of Science	1947 (37th)	Masaichi Majima	Faculty of Science
1925 (15th)	Shinkishi Hatai	Faculty of Science	1950 (40th)	Fukusaburo Numachi	Institute of High Speed Mechanics
1927 (17th)	Takejiro Murakami	Research Institute for Iron, Steel and other Metals	1951 (41st)	Teizo Ogawa	Faculty of Medicine
1931 (21st)	Hakuju Ui	Faculty of Law and Letters	1952 (42nd)	Jitsusaburo Sameshima	Faculty of Science
1931 (21st)	Hakaru Masumoto	Research Institute for Iron, Steel and other Metals	1953 (43rd)	Yensho Kanakura	Faculty of Arts and Letters
1932 (22nd)	Shintaro Uda	Faculty of Engineering	1953 (43rd)	Tetsuo Nozoe	Faculty of Science
1933 (23rd)	Hiroshi Nomura	Faculty of Science	1953 (43rd)	Masao Naruse	Faculty of Engineering
1934 (24th)	Yoshiaki Tadokoro	Faculty of Science	1954 (44th)	Koichi Motokawa	Faculty of Medicine
1935 (25th)	Saburo Unno	Faculty of Science	1955 (45th)	Yensho Kanakura	Faculty of Arts and Letters
1936 (26th)	Toshio Hoshino	Faculty of Science	1955 (45th)	Ryujō Yamada	Faculty of Arts and Letters
1940 (30th)	Tarō Kikuta	Provisional Institute of Physical and Chemical Research	1955 (45th)	Hakuyu Hadano	Faculty of Arts and Letters
1941 (31st)	Terutaro Ogata	Faculty of Science	1955 (45th)	Tokan Tada	Faculty of Arts and Letters

\* Continued on page 11.

### Japan Academy Prize

Year Awarded	Recipient	Affiliation	Year Awarded	Recipient	Affiliation
1955 (45th)	Shiro Akabori	Faculty of Science	1980 (70th)	Tetsuji Kametani	Faculty of Pharmaceutical Sciences
1956 (46th)	Ichiro Hori	Faculty of Arts and Letters	1981 (71st)	Akira Kinoshita	Faculty of Economics
1957 (47th)	Yutaka Orimo	Faculty of Law	1982 (72nd)	Shizuo Kakutani	Faculty of Science
1959 (49th)	Osamu Takata	Faculty of Arts and Letters	1983 (73rd)	Tsuyoshi Masumoto	Research Institute for Iron, Steel and other Metals
1960 (50th)	Eizo Kanda	Research Institute for Iron, Steel and other Metals	1987 (77th)	Nakao Ishida	Faculty of Medicine
1961 (51st)	Tomoo Sato	Faculty of Engineering	1987 (77th)	Shunichi Iwasaki	Research Institute of Electrical Communication
1961 (51st)	Eikichi Iso	College of Agriculture	1987 (77th)	Yoshikatsu Tsuboi	Faculty of Engineering
1963 (53rd)	Harujiro Sekiguchi	Research Institute for Iron, Steel and other Metals	1989 (79th)	Yorio Hinuma	Faculty of Dentistry
1967 (57th)	Yunoshin Imai	Research Institute for Iron, Steel and other Metals	1990 (80th)	Koji Nakanishi	Faculty of Science
1968 (58th)	Yoshio Kato	Faculty of Science	1990 (80th)	Hiroshi Tsuji	Faculty of Engineering
1968 (58th)	Makoto Kandatsu	Institute for Agricultural Research	1992 (82nd)	Hideji Suzuki	Institute for Materials Research
1969 (59th)	Mitsuo Miyata	Faculty of Law	1993 (83rd)	Hajime Yamamoto	School of Dentistry
1969 (59th)	Usaburo Mizushima	Faculty of Agriculture	1993 (83rd)	Keiya Tada	School of Medicine
1970 (60th)	Giichi Yamamoto	Faculty of Science	1993 (83rd)	Goro Kikuchi	Research Institute for Tuberculosis and Cancer
1970 (60th)	Heisuke Hironaka	Faculty of Science	1994 (84th)	Hideki Sakurai	Faculty of Science
1971 (61st)	Takeo Yokobori	Faculty of Engineering	1994 (84th)	Yasunari Maruyama	Faculty of Arts and Letters
1972 (62nd)	Kozo Okamoto	Faculty of Medicine	1998 (88th)	Takane Sugihara	Faculty of Law
1973 (63rd)	Zenji Nishiyama	Research Institute for Iron, Steel and other Metals	2002 (92nd)	Sumio Iijima	Research Institute for Scientific Measurements
1974 (64th)	Jun-ichi Nishizawa	Research Institute of Electrical Communication	2002 (92nd)	Akihisa Inoue	Institute for Materials Research
1975 (65th)	Toshio Kitazumi	Faculty of Arts and Letters	2002 (92nd)	Kokichi Hinata	Faculty of Agriculture
1975 (65th)	Yoichi Higuchi	Faculty of Law	2003 (93rd)	Hiroshi Okamoto	Graduate School of Medicine
1975 (65th)	Hidesato Ito	Institute of High Speed Mechanics	2003 (93rd)	Makoto Endo	School of Medicine
1975 (65th)	Takashi Kubota	Faculty of Science	2004 (94th)	Takeshi Yasumoto	Faculty of Agriculture
1977 (67th)	Shinji Takahashi	Faculty of Medicine	2005 (95th)	Hideo Ohno	Research Institute of Electrical Communication
1977 (67th)	Kinji Shimada	Faculty of Law and Letters	2006 (96th)	Atsuto Suzuki	Graduate School of Science
1977 (67th)	Shun-ichi Akasofu	Faculty of Science	2007 (97th)	Koji Kato	Graduate School of Engineering
1979 (69th)	Taketoshi Sato	Faculty of Law and Letters	2007 (97th)	Asahiko Taira	Faculty of Science

### Japan Academy Prize (Duke of Edinburgh Prize)

The Duke of Edinburgh Prize was adopted as a Japan Academy conferment in 1987 in honor of His Royal Highness Prince Philip, Duke of Edinburgh, an Honorary Fellow of the Japan Academy. This prize is awarded once every two years to an individual who has posted outstanding achievements in the area of wildlife protection and species preservation, to date there has been nine people presented with this award.

Year Awarded	Recipient	Affiliation
1988	Makoto Numata	Institute for Agricultural Research
2002	Yasushi Kurihara	Faculty of Science



## University Awards

### Recipients of the Presidential Prize for Research Excellence

This prize honors current members of the Tohoku University faculty for outstanding achievements and for important contributions leading to the development of academic culture for the advancement of education and research at the University.

Date	Name	Affiliation	Achievement
March 27, 2007	Koji Kato	Professor, Graduate School of Engineering	For receiving the 2007 Japan Academy Prize on June 11th 2007, for his research work in the field of tribology
September 25, 2006	Akihisa Inoue	Professor, Director of Institute for Materials Research	For receiving the Prime Minister's Prize on June 11th 2006, for his research work in the field of Metallic Glasses
July 31, 2006	Mitsumasa Koyanagi	Professor, Graduate School of Engineering	For receiving the IEEE Jun-ichi Nishizawa Medal on June 24th 2006, for his research work in the field of semiconductor technology and bio-robotics technology
March 24, 2006	Atsuto Suzuki	Deputy President Professor, Graduate School of Science	For receiving the 2006 Japan Academy Prize on March 13th 2006, for his research in the field of antineutrino science
November 26, 2005	Motoko Kotani	Professor, Graduate School of Science	For receiving the 25th Saruhashi Prize (recognizing outstanding achievement by a woman in natural sciences) on May 28th 2005, for her work in Discrete Geometric Analysis on a Crystal Lattice
June 29, 2005	Hideo Ohno	Professor, Research Institute of Electrical Communication	For receiving the 2005 Japan Academy Prize on June 13th 2005, for his Studies in Quantum Control of Electrons by Semiconductor Nanostructures and Ferromagnetism

### Recipients of the Presidential Prize for Educational Excellence

This prize honors faculty members for outstanding educational achievement in regards to instruction, teaching methods, and educational support seen in the classes, extracurricular activities, international exchange, and other university interactions.

#### FY2007

Name	Affiliation	Achievement
Masanori Hariyama	Associate Professor, Graduate School of Information Sciences	For outstanding class instruction on his Introduction to Information Science, a subject from the <i>Zengaku-Kyoiku Kamoku: Subjects Common Across Campus</i> which enables the listeners to stimulate their intellectual curiosity toward information science and information technique, and for maintaining high class evaluation.
Mamoru Baba	Professor, Cyclotron and Radioisotope Center	For leading systematic instruction to the staff and students in the safety utilization of radiations, radioisotope, X-rays and SOR(synchrotron radiation light), which contributes to the safety management of radiation.

#### FY2006

Name	Affiliation
Hideo Imai	Associate Professor, Graduate School of Information Sciences
Nobuki Sasaki	Research Associate, Graduate School of Science
Network for Joint Lecture of Ecology in Graduate Schools	Graduate School of Life Sciences

#### FY2005

Name	Affiliation
Toshiaki Muramoto	Associate Professor, Graduate School of Information Sciences
Yasuaki Onoda	Associate Professor, Graduate School of Engineering
Working Group for Compilation of an Information Research Guide	Library

### Recipients of the Presidential Prize for Excellent Student(FY2007)

This prize recognizes students for their outstanding academic achievement.

#### Undergraduate

Hiroki Kuramoto	Faculty of Arts and Letters
Hitoshi Nishinoiri	Faculty of Arts and Letters
Natsuko Hayakawa	Faculty of Education
Anna Takada	School of Law
Yukiko Takeuchi	School of Law
Takaya Nishimura	Faculty of Economics
Yuichiro Hurokawa	Faculty of Economics
Hiroyuki Murakami	Faculty of Economics
Chihaya Anzai	Faculty of Science
Sho Inomata	Faculty of Science
Takahiro Narita	Faculty of Science
Shino Seki	School of Medicine
Takanori Hidaka	School of Medicine
Naomi Kawakubo	School of Dentistry
Chiemi Ikeda	Faculty of Pharmacy and Pharmaceutical Sciences
Keiichi Ishii	School of Engineering
Naoya Ogasawara	School of Engineering
Toshimitsu Kikuchi	School of Engineering
Kensuke Kurose	School of Engineering
Tomoka Shimada	School of Engineering
Hirokazu Takahashi	School of Engineering
Yoshiyuki Takahashi	School of Engineering
Kenji Miyao	School of Engineering
Yusuke Sato	Faculty of Agriculture
Yosuke Sato	Faculty of Agriculture

#### Graduate (Master)

Tatsuya Wakao	Professional Graduate School of Public Policy
Kouichi Kaizuka	Graduate School of Science
Tetsuya Sugawara	Graduate School of Science
Yoko Sagami	Graduate School of Engineering
Kenji Takahashi	Graduate School of Engineering

#### Graduate (Doctor)

Tsuyoshi Araki	Graduate School of Arts and Letters
Kenichiro Ishizu	Graduate School of Education
Kohei Mishima	Graduate School of Economics and Management
Koichi Ichimura	Graduate School of Science
Sadahiro Konishi	Graduate School of Science
Nobuhito Abe	Graduate School of Medicine
Makoto Nakano	Graduate School of Medicine
Yoshitomo Honda	Graduate School of Dentistry
Taku Obara	Graduate School of Pharmaceutical Sciences
Hiroshi Abe	Graduate School of Engineering
Kenta Ueoka	Graduate School of Engineering
Shuichi Ogawa	Graduate School of Engineering
Toshiaki Kato	Graduate School of Engineering
Michio Murakoshi	Graduate School of Engineering
Takashi Nakahata	Graduate School of Agriculture
Khojikyuan Ruzan	Graduate School of International Cultural Studies
Muneki Yasuda	Graduate School of Information
Daisuke Kitazawa	Graduate School of Life Sciences
Masahumi Tunekane	Graduate School of Environmental Studies
Katsumi Ueki	Graduate School of Educational Informatics Education Division

## Recipients of the Sawayanagi Prize

The Sawayanagi Prize (Tohoku University Prize for the Encouragement of Gender Equality) aims to promote equality between men and women by honoring individuals and groups that have carried out research and other activities related to gender equality.

### FY2007

Name	Affiliation	Category	Theme
Ayami Saito	Special Researcher Graduate School of Education	Research	The Establishment and Development of Regional Healthcare activity in Indonesia - "Era of Development" from the perspective of the local society
Mio Abe	Ph.D Student Graduate School of Law	Research (Special Award)	Equality for Part-time Work in England - Approach from gender discrimination
The board members of Positive Action for Women and the staff of women student association in the department of Mechanical and Aerospace Engineering		Activity	Establishing the board and working group of Positive Action for Women and performing leading and innovative activities in the engineering society of Tohoku University
Hiromi Ozaki	Ph.D Student Graduate School of Education	Project	Student's Career / Life Design at Single - Sex School: the Analysis of the Educational Goal and Curriculum
Mihoko Yagi	Ph.D Student Graduate School of Education		
Katsutoshi Mizuhara	Professor Graduate School of Education		
Kumiko Ikuta	Professor Graduate School of Education		
Emiko Lucia Yamamoto	Researcher Graduate School of Arts and Letters	Project (Special Award)	The Influence of International Labor Flow on Family Relationships, Especially Their Gender Roles

### FY2006

Name	Affiliation	Category
Hiroshi Yoshida	Professor, Graduate School of Economics and Management	Research
Satoko Toyama	Education and Research Supporter, Graduate School of Science	Activity
Michiko Suzuki	Education and Research Supporter, Graduate School of Science	
Kyoko Tamae	Research Associate, Graduate School of Science	Activity
Takae Ebihara	A Group of Female Doctors in their Endeavors of Raising Children	
Koichi Hashimoto	Associate Professor, Graduate School of Education	Project

### FY2005

Name	Affiliation	Category
Emi Yano	21st Century COE, Gender Law and Policy Center Fellow, Graduate School of Law	Research
Masahiro Ishigaki	Research Associate, Graduate School of Economics and Management	Activity
Masato Hatakeyama	Doctoral Student, Graduate School of Economics and Management	Project
Rumi Matsuzaki	Doctoral Student, Graduate School of Arts and Letters	Project (Special Award)

## Recipients of the Tohoku University's Professor Fujino Award (Lu Xun Award)

This award recognizes Chinese individuals and groups for contributing to the advancement of education and research through academic exchange at Tohoku University.

### Tohoku University's Professor Fujino Award

Year	Name	Affiliation	Achievement
FY2005	Sun Yi	Director, Beijing Lu Xun Museum	For his diligent efforts leading to the publication of a Chinese translation "Lu Xun and Sendai," the product of research by persons affiliated with Tohoku University; and for his hard work as a Chinese organizer for The International Symposium on Lu Xun - "His Starting Point and Memories of Sendai," jointly sponsored by Tohoku University and Beijing Lu Xun Museum.

## Recipients of the Tohoku University's Professor Fujino Incentive Award (Lu Xun Incentive Award)

This award is presented to outstanding and promising Chinese exchange students currently enrolled in the graduate school of Tohoku University.

### Tohoku University's Professor Fujino Incentive Award

Year	Name	Affiliation
FY2007	Wang Lengran	Graduate School of Law
	Liu Chenguang	Graduate School of Science
	Chen Rui	Graduate School of Dentistry
	Yue Xinyan	Graduate School of Engineering
	Yuan Yuan	Graduate School of Agriculture

Year	Name	Affiliation
FY2006	Qin Huiling	Graduate School of Science
	Du Wei	Graduate school of Medicine
	Han Feng	Graduate School of Pharmaceutical Sciences
	Chang Chuntao	Graduate School of Engineering
	Hou Xubin	Graduate School of Life Sciences

Year	Name	Affiliation
FY2005	Rina Sa	Graduate School of Arts and Letters
	Guangyu Jin	Graduate School of Economics and Management
	Hongmei Dai	Graduate School of Medicine
	Zhiqian Yu	Graduate School of Dentistry
	Chen Lu	Graduate School of Engineering

## Recipients of the Honda Kotaro Memorial Prize

This award is presented on an occasional basis to honor foreign individuals or groups for outstanding contributions in the advancement of education and research at Tohoku University through international exchange.

### Honda Kotaro Memorial Prize

Year	Name	Nationality	Affiliation
FY2006	Patrick Bourgin	France	Director, Ecole Centrale de Lyon
	Fondation Renault		
	Albert Prevos	France	Director, Centre international d'études pédagogiques
	Alain Storck	France	Director, INSA-Lyon
	Léo Vincent	France	Director, International Affairs, Ecole Centrale de Lyon
	Alain Reza Yavari	France	Professor, Institute National Polytechnique de Grenoble

Year	Name	Nationality	Affiliation
FY2004	John L. Stollery	United Kingdom	Emeritus Professor, Cranfield University
	A. Lindsay Greer	United Kingdom	Professor, University of Cambridge
	Sir Robert Yewdall Jennings	United Kingdom	Former President, International Court of Justice

## Recipients of the Students' Friendship Association Award (FY2007)

This award aims to honor students for outstanding athletic achievement and who epitomize the reputation of Tohoku University.

Name	Affiliation
Tomohiro Okamura	Archery Club
Naoto Saita	Tennis Club
Yuki Uchida	Shorinji-Kempo Club

Name	Affiliation
Hiroko Sato	Shorinji-Kempo Club
Michiaki Suzuki	Table Tennis Club
Ami Hasegawa	Triathlon Club

## The 100<sup>th</sup> Anniversary Projects

Tohoku University marked its 100<sup>th</sup> anniversary of foundation in June 2007. As preliminary steps, the University launched the “100<sup>th</sup> Anniversary Campaign”, and since 2004 had held various seminars and events under the slogan “Tohoku University, Creating Global Excellence (Tohoku University provides opportunities for world-class research and education)”.

### The Ceremony of Tohoku University Centenary Event

June 27, 2007 (Mon)

Main Hall, Sendai International Center

#### • Opening Speech

Akihisa Inoue

President, Tohoku University

#### • Congratulatory Address

Bunmei Ibuki

Minister of Education, Culture, Sports, Science and Technology

Hiroshi Komiyama

President, The University of Tokyo

Wang Shenghong

President, Fudan University

Renato Guarini

Rector, University Degli Studi Di Roma La Sapienza

#### • Former Presidents Honoured

##### 《the Receptions》

Nakao Ishida

15<sup>th</sup> Former President of Tohoku University

Jun-ichi Nishizawa

17<sup>th</sup> Former President of Tohoku University

Hiroyuki Abé

18<sup>th</sup> Former President of Tohoku University

Takashi Yoshimoto

19<sup>th</sup> Former President of Tohoku University

#### • Presentation Ceremony: ‘Tohoku University Centenary Award’

##### 《the Receptions》

Science

Koichi Tanaka

Education

Takako Aoki

Industry

Shoichiro Toyoda

Sports

Japan Team Tohoku University Rowing Club Eight-Man Crew  
(1960 Roma Olympic Game)

Arts and Culture

Kazumasa Oda

#### • Centenary Music Memoirs

‘Watashitachiwa-Susumu (We Shall Go Forward)’

composed and conducted by Mitsuharu Okazaki



Opening Speech by the President



Centenary Music Memoirs

### Centenary Anniversary Garden Party

August 26, 2007 (Sun)

Katahira Campus, Tohoku University

Events:



Garden Event



Kagami-wari Celebration Ceremony

### Tohoku University Centenary Anniversary Festival

August 22, 2007 (Fri)

Katahira Campus, Tohoku University

Events: Stage Show, Concert, and Exhibitions



Festival Main Gate



Partner Ballroom Dance Robot



Science Café

### School Logo / Color Inaugural Ceremony

June 22, 2007 (Fri)

Katahira Campus, Tohoku University

#### • Greetings from the President

#### • Progress Report

#### • Introduction of the School Flag

#### • School Song

“Aobamoyuru Kono Michinoku (Amidst the Green Leaves Here in Michinoku)”

Gakuyu-kai Male Chorus / Mixed Chorus

#### • Gakuyu-kai Cheering Group / Ceremony Elections for Student Ambassador



School Flag

## The 100<sup>th</sup> Anniversary Projects

### Home Coming Day at Tohoku University

October 7, 2007 (Sun)

- Campus Tour “Riding a Bus along Good Old Campus” “Let’s Listen to the Senior Students’ Experience (at Kawauchi Campus)”
- Informal Gathering between the university’s graduate, undergraduate, and alumnus
- Gym Club Symposium (Gakuyu-kai): “Aiming Toward a High Level of Balance Between Education and Sports”
- International Centenary Symposium “Women’s History in the Past 100 Years: Education, Marriage, Occupation <How they lived and how they should live>”



Informal Gathering of students and alumni



Gym Club Symposium

### The 8<sup>th</sup> Tohoku University Centenary Seminar: “How to educate elite engineers in this globalizing and high-tech dominated era?”

Place: Nikkei Hall (Tokyo)

Presentations: Ryoji Chubachi, President and Electronics CEO, Sony Corporation  
 Jacques Chambert-Loir, Chief Representative of Total Group for North-East Asia (Japan and South Korea)  
 Yves Michaud, Philosopher and Former Director, Ecole Nationale Supérieure des Beaux-Arts  
 Hiroyuki Abé, Counselor to the President, Japan Science and Technology Agency  
 Serge Feneuille, President, Haut Conseil de la Science et de la Technologie

### Tohoku University Centenary Ceremony: Civil Concert

#### ● Centenary Music Memoir - “We Shall Go Forward”

Conductor: Mitsuharu Okazaki      Composer: Mitsuharu Okazaki  
 Soprano: Emiko Kan      Organist: Naoko Imai

#### ● Symphony No. 9 in D minor, Op. 125 ‘Choral’

Conductor: Makoto Takamiya      Composer: Ludwig van Beethoven  
 Chorus Conductor: Masatoshi Sasaki  
 Soprano: Emiko Kan      Alto: Kyoko Endo      Tenor: Satoshi Chubachi      Bass: Hiroyuki Narita  
 Orchestra: Gakuyu-kai Symphony Club  
 Chorus: Gakuyu-kai Male Chorus, Mixed Chorus, Alumni Volunteer Citizens

### Tohoku University Centenary Exhibition

#### ● Crown Asset of Tohoku University

“A Century of Tohoku University: from the past documents”  
 [Tokyo] September 1, 2007 (Sat) - October 14, 2007 (Sun)  
 Edo-Tokyo Museum  
 [Sendai] November 2, 2007 (Fri) - December 9, 2007 (Sun)  
 Sendai City Museum

#### ● Soseki Natsume: Tohoku University Centenary Commemoration/ Soseki’s Centenary Celebration at The Asahi Shinbun Company/ 15<sup>th</sup> Anniversary at Edo-Tokyo Museum

September 26, 2007 (Wed) - November 18, 2007 (Sun)  
 Edo-Tokyo Museum



Oxford University  
 painted by Soseki Natsume

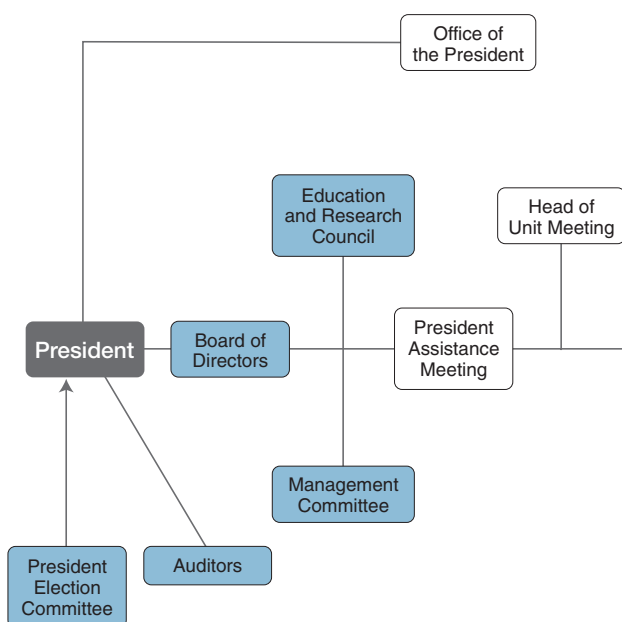


Soseki Natsume  
 painted by Ippei Okamoto



# Organization

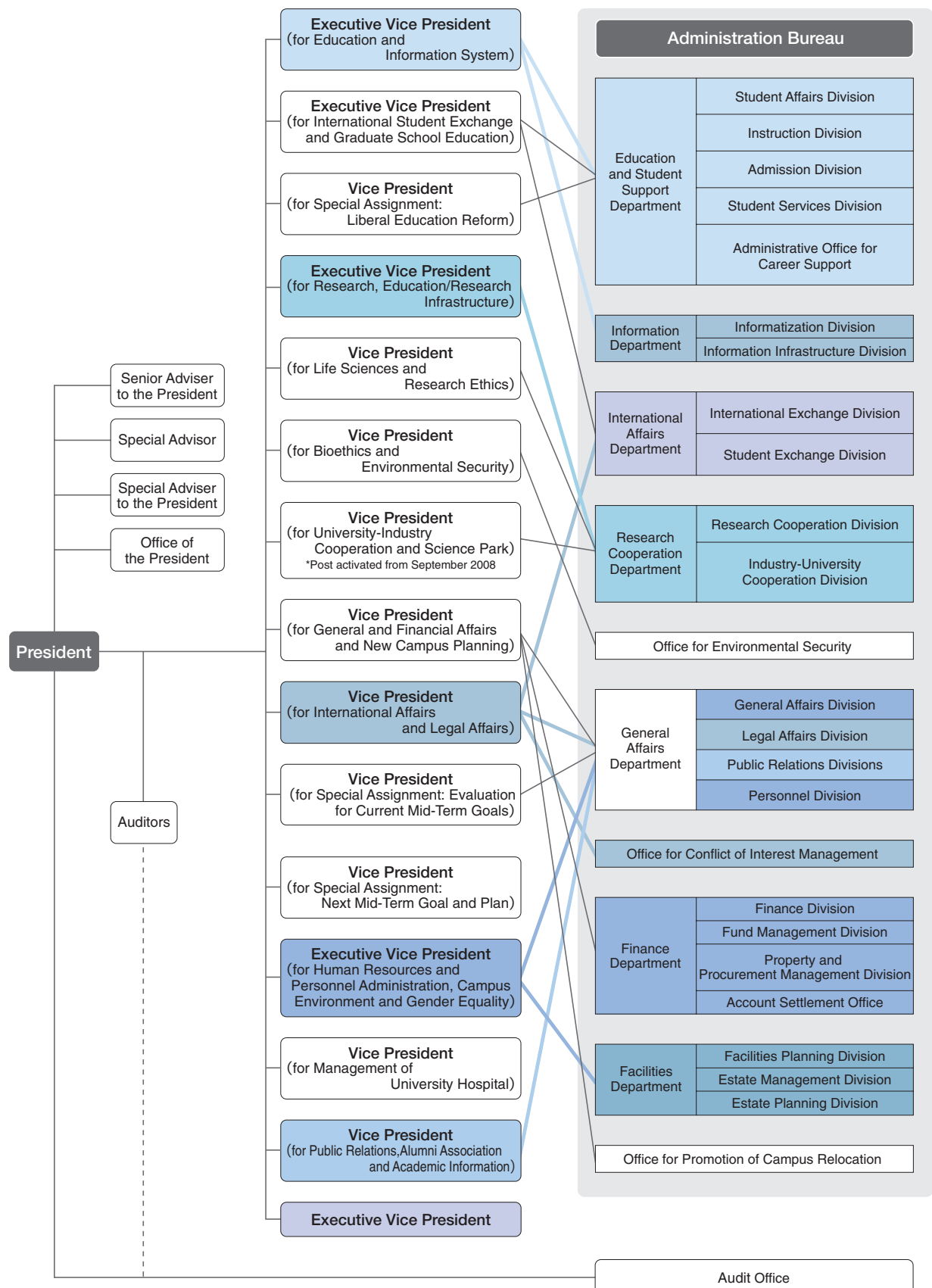
## University Governance and Academic Units



	Administration Bureau
	University Library
	University Hospital
Faculties (10)	Arts and Letters
	Education
	Law
	Economics
	Science
	Medicine
	Dentistry
	Pharmacy and Pharmaceutical Sciences
	Engineering
	Agriculture
Graduate Schools (16)	Arts and Letters
	Education
	Law
	Economics and Management
	Science
	Medicine
	Dentistry
	Pharmaceutical Sciences
	Engineering
	Agricultural Science
	International Cultural Studies
	Information Sciences
	Life Sciences
	Environmental Studies
	Biomedical Engineering
	Educational Informatics Research Division, Education Division
Professional Graduate Schools (3)	Law School
	School of Public Policy
	Accounting School
Research Institutes (5)	Institute for Materials Research
	Institute of Development, Aging and Cancer
	Institute of Fluid Science
	Research Institute of Electrical Communication
	Institute of Multidisciplinary Research for Advanced Materials
	Inter-Department Institutes for Education and Research (9)
	University Collaborating Institutions (9)

(as of April 1, 2008)

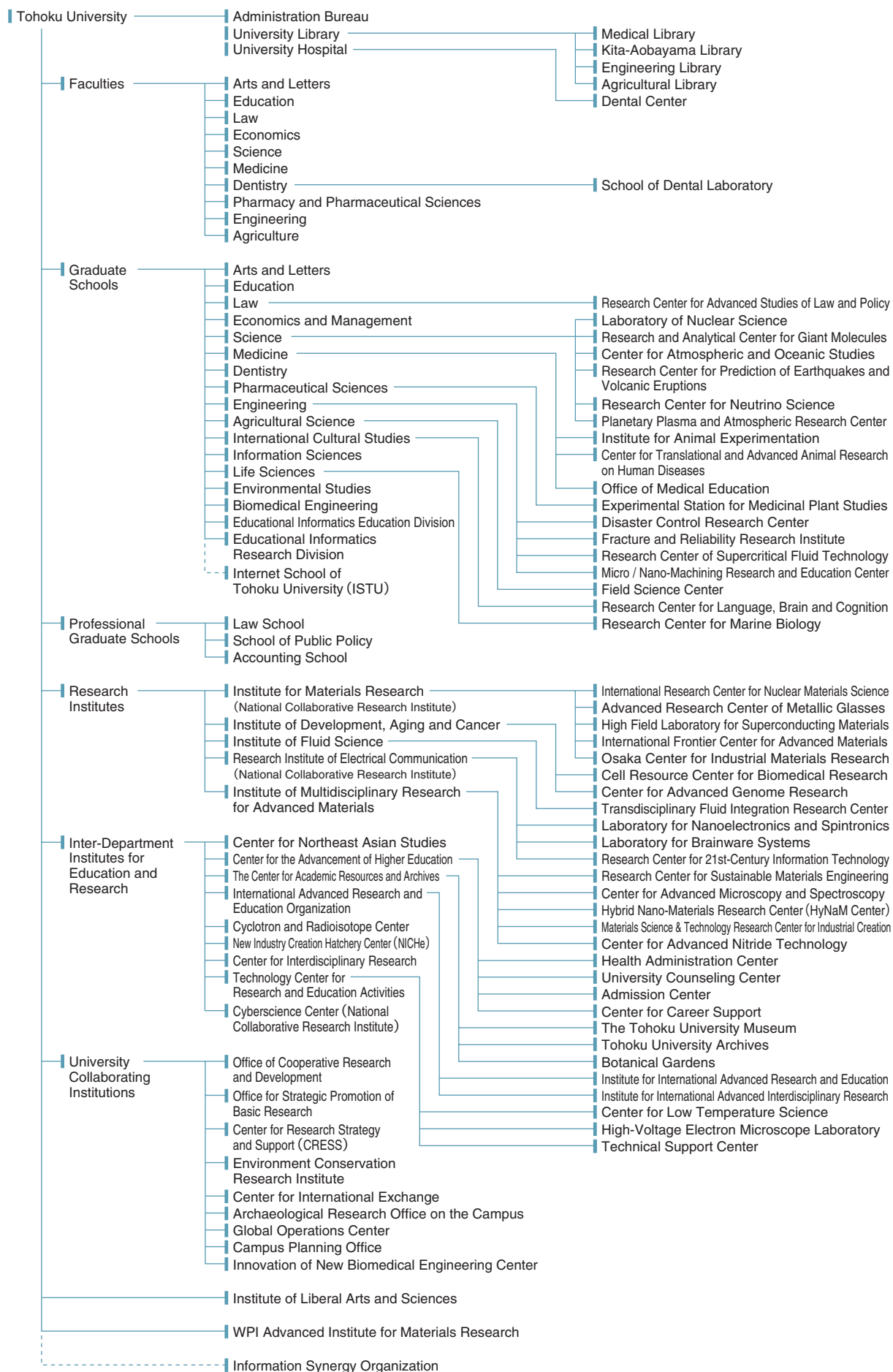
## Administration



# Organization Chart

(as of April 1, 2008)

National University Corporation Tohoku University





## Administrative Staff

(as of April 1, 2008)

President	Akihisa Inoue	Special Advisor to the President	Hiroshi Abe
Executive Vice President (for International Affairs and Legal Affairs)	Toshiya Ueki	Special Advisor to the President	Kazuo Hongo
Executive Vice President (for Education and Information System)	Yoshiaki Nemoto	Special Advisor to the President	Katsutoshi Mizuhara
Executive Vice President (for Research, Education/Research Infrastructure)	Makoto Watanabe	Special Advisor to the President	Masahiko Fujimoto
Executive Vice President (for Public Relations, Alumni Association and Academic Information)	Keiichi Noe	Special Advisor to the President	Motoko Kotani
Executive Vice President (for Human Resources and Personnel Administration, Campus Environment and Gender Equality)	Mamoru Orihara	Special Advisor to the President	Masahiro Yamaguchi
Executive Vice President	Hiroyuki Yoshikawa	Special Advisor to the President	Kazuhiko Igarashi
Executive Vice President	Hiromitsu Ishi	Special Advisor to the President	Sadayoshi Ito
Auditor	Hiroshi Okamoto	Special Advisor to the President	Ken Osaka
Auditor	Tomoo Nishikawa	Special Advisor to the President	Tetsuya Terasaki
Vice President (for General and Financial Affairs and New Campus Planning)	Yukihisa Kitamura	Special Advisor to the President	Hiroshi Kanai
Vice President (for International Student Exchange and Graduate School Education)	Osamu Hashimoto	Special Advisor to the President	Yuko Harayama
Vice President (for Management of University Hospital)	Susumu Satomi	Special Advisor to the President	Hiroo Yugami
Vice President (for Life Sciences and Research Ethics)	Toshio Iijima	Special Advisor to the President	Shigeru Sato
Vice President (for Bioethics and Environmental Security)	Masayuki Yamamoto	Special Advisor to the President	Takafumi Aoki
Vice President (for Special assignment: Evaluation for Current Mid-Term Goals)	Masuo Okada	Special Advisor to the President	Tohru Nakashizuka
Vice President (for Special assignment: Liberal Education Reform)	Akihiro Kijima	Special Advisor to the President	Noriyoshi Tsuchiya
Vice President (for Special assignment: Next Mid-Term Goal and Plan)	Eiji Hyoudo	Special Advisor to the President	Mitsuo Niinomi
Senior Advisor to the President	Heihachiro Amano	Special Advisor to the President	Tadashi Furuhashi
Senior Advisor to the President	Shigeru Oda	Special Advisor to the President	Toshiyuki Takai
Senior Advisor to the President	Yasuyuki Katsumata	Special Advisor to the President	Hideaki Kobayashi
Senior Advisor to the President	Marty Kuehnert	Special Advisor to the President	Daisuke Shindo
Senior Advisor to the President	Kazuhiko Sugiyama	Special Advisor to the President	Hiroki Oka
Senior Advisor to the President	Tetsuo Shoji	Distinguished Professor	Teruo Asakawa
Senior Advisor to the President	Richard Dasher	Distinguished Professor	Tatsuo Uchida
Senior Advisor to the President	Masud Behnia	Distinguished Professor	Osumi Noriko
Senior Advisor to the President	Tsuyoshi Masumoto	Distinguished Professor	Eiji Ohtani
Special Advisor (for Entrance Exam)	Osamu Kamoike	Distinguished Professor	Hideo Ohno
Special Advisor (for Student Support)	Atsushi Higashitani	Distinguished Professor	Yoshitomo Oka
Special Advisor (for COI Management)	Akio Nishizawa	Distinguished Professor	Ryuta Kawashima
Special Advisor (for Centenary History Book)	Takao Imaizumi	Distinguished Professor	Takashi Kobayashi
Special Advisor (Alumni Association)	Shigenao Maruyama	Distinguished Professor	Mitsumasa Koyanagi
Special Advisor (for Database)	Hideaki Sone	Distinguished Professor	Eimei Sato
Special Advisor (for Transport Planning)	Yasuo Morita	Distinguished Professor	Shigeru Sato
Special Advisor (for Gender Equality)	Noriko Osumi	Distinguished Professor	Motoyuki Sato
Special Advisor to the President	Masuo Okada	Distinguished Professor	Seiji Samukawa
Special Advisor to the President	Akihiro Kijima	Distinguished Professor	Tetsuo Shoji
Special Advisor to the President	Eiji Hyoudo	Distinguished Professor	Miyoko Tsujimura
		Distinguished Professor	Tetsuya Terasaki
		Distinguished Professor	Nobuhiko Terui
		Distinguished Professor	Masataka Nakazawa
		Distinguished Professor	Masahiro Hiramata
		Distinguished Professor	Sadamichi Maekawa
		Distinguished Professor	Kensaku Mizuno
		Distinguished Professor	Katsutoshi Mizuhara
		Distinguished Professor	Tokuji Miyashita
		Distinguished Professor	Akira Miyamoto
		Distinguished Professor	Hiroshi Yoshino

### Administration Bureau

#### [Office of the President]

Director	Yukihisa Kitamura
Senior Director for General Affairs	Hisao Ootomo

#### [General Affairs Department]

#### [Education and Student Support Department]

Director	Shuichi Takahashi
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#### [Finance Department]

Director	Hiroshi Saito
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### Graduate Schools / Faculties

#### [Graduate School/Faculty of Arts and Letters]

Dean	Junsuke Hara
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#### [Graduate School/Faculty of Education]

Dean	Toru Hosokawa
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#### [Research Cooperation Department]

#### [Facilities Department]

Director	Osamu Yamashita
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#### [Information Department]

Director	Kiyoshi Akiyama
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#### [International Affairs Department]

Director	Hiroyuki Uchiyama
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#### [Graduate School/School of Law]

Dean	Kaoru Inaba
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#### [Graduate School of Economics and Management/Faculty of Economics]

Dean	Yoshihiko Tsukuda
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## ■ Graduate Schools / Faculties

### 【Graduate School/Faculty of Science】

Dean Kimio Hanawa

### 【Graduate School/School of Medicine】

Dean Masayuki Yamamoto

### 【Graduate School/School of Dentistry】

Dean Takashi Sasano

### 【Graduate School of Pharmaceutical Sciences/Faculty of Pharmacy and Pharmaceutical Sciences】

Dean Akira Naganuma

### 【Graduate School/School of Engineering】

Dean Tatsuo Uchida

### 【Graduate School of Agricultural Science/Faculty of Agriculture】

Dean Akihiko Kudo

### 【Graduate School of International Cultural Studies】

Dean Naoki Ishihata

### 【Graduate School of Information Sciences】

Dean Takao Nishizeki

### 【Graduate School of Life Sciences】

Dean Toshio Iijima

### 【Graduate School of Environmental Studies】

Dean Shoji Taniguchi

### 【Graduate School of Biomedical Engineering】

Dean Masaaki Sato

### 【Graduate School of Educational Informatics Education Division】

Dean Shinichi Watabe

### 【Graduate School of Educational Informatics Research Division】

Dean Shinichi Watabe

## ■ Research Institutes

### 【Institute for Materials Research】

Director Kazuo Nakajima

### 【Institute of Development, Aging and Cancer】

Director Hiroshi Fukuda

### 【Institute of Fluid Science】

Director Toshiyuki Hayase

### 【Research Institute of Electrical Communication】

Director Masafumi Yano

### 【Institute of Multidisciplinary Research for Advanced Materials】

Director Fumio Saito

## ■ University Library

### 【University Library】

Director Keiichi Noe

## ■ University Hospital

### 【University Hospital】

Director Susumu Satomi

## ■ Inter-Department Institutes for Education and Research

### 【Center for Northeast Asian Studies】

Director Masahisa Segawa

### 【Center for the Advancement of Higher Education】

Director Akihiro Kijima

### 【Health Administration Center】

Director Wataru Hida

### 【University Counseling Center】

Director Akihiro Kijima

### 【Admission Center】

Director Osamu Kamoike

### 【Center for Career Support】

Director Akihiro Kijima

### 【The Center for Academic Resources and Archives】

Director Mitsuo Suzuki

### 【The Tohoku University Museum】

Director Masayuki Ehiro

### 【Tohoku University Archives】

Director Osamu Oto

### 【Botanical Gardens】

Director Mitsuo Suzuki

### 【International Advanced Research and Education Organization】

Director Toshiaki Ikohagi

### 【Institute for International Advanced Research and Education】

Director Satoshi Ihara

### 【Institute for International Advanced Interdisciplinary Research】

Director Toshiaki Ikohagi

### 【Cyclotron and Radioisotope Center】

Director Keizo Ishii

### 【New Industry Creation Hatchery Center (NICHe)】

Director Ichiro Nakajima

### 【Center for Interdisciplinary Research】

Director Kazuo Nakajima

### 【Technology Center for Research and Education Activities】

Director Yoshinori Yamamoto

### 【Center for Low Temperature Science】

Director Haruyoshi Aoki

### 【High-Voltage Electron Microscope Laboratory】

Director Toyohiko Konno

### 【Cyberscience Center】

Director Hiroaki Kobayashi

## ■ University Collaborating Institutions

### 【Office of Cooperative Research and Development】

Director Makoto Watanabe

### 【Office for Strategic Promotion of Basic Research】

Director Makoto Watanabe

### 【Center for Research Strategy and Support (CRESS)】

Director Makoto Watanabe

### 【Environment Conservation Research Institute】

Director Muneyoshi Yamada

### 【Center for International Exchange】

Director Osamu Hashimoto

### 【Archaeological Research Office on the Campus】

Director Kaoru Akoshima

### 【Global Operations Center】

Director Toshiya Ueki

### 【Campus Planning Office】

Director Susumu Sugiyama

### 【Innovation of New Biomedical Engineering Center】

Director Susumu Satomi

## ■ Institute of Liberal Arts and Sciences

Director Yoshiaki Nemoto

## ■ WPI Advanced Institute for Materials Research

Director Yoshinori Yamamoto

## ■ Information Synergy Organization

Director Yōiti Suzuki

## President Election Committee / Board of Directors / Management Committee

(as of April 1, 2008)

## President Election Committee

External Members	
Heihachiro Amano	Chairman, Automobile Business Association of Miyagi
Teruo Kishi	President, National Institute for Materials Science
Reiko Kuroda	Professor, Graduate School of Arts and Sciences, The University of Tokyo
Kyuzo Nakamura	President and CEO, ULVAC, Inc.
Tetsuro Higashi	Chairman and CEO, Tokyo Electron Limited
Toshiaki Yashima	Honorary Chairman, Tohoku Economic Federation

Internal Members	
Osamu Hashimoto	Vice President
Toshio Iijima	Vice President Dean, Graduate School of Life Sciences
Kaoru Inaba	Dean, Graduate School of Law
Takashi Sasano	Dean, Graduate School of Dentistry
Tatsuo Uchida	Dean, Graduate School of Engineering
Kazuo Nakajima	Director, Institute for Materials Research

## Board of Directors

Akihisa Inoue	President
Toshiya Ueki	Executive Vice President
Yoshiaki Nemoto	Executive Vice President
Makoto Watanabe	Executive Vice President

Keiichi Noe	Executive Vice President
Mamoru Orihara	Executive Vice President
Hiroyuki Yoshikawa	Executive Vice President
Hiromitsu Ishi	Executive Vice President

## Management Committee

External Members	
Heihachiro Amano	Chairman, Automobile Business Association of Miyagi
Yuichiro Anzai	President, Keio University
Katsuhiko Umehara	Mayor of Sendai
Motoyuki Ono	President, Japan Society for the Promotion of Science
Tadashi Onodera	President and Chairman, KDDI Corporation
Teruo Kishi	President, National Institute for Materials Science
Reiko Kuroda	Professor, Graduate School of Arts and Sciences, The University of Tokyo
Hisao Sakuta	President and CEO, OMRON Corporation
Ryoki Sugita	Chairman, Nikkei, Inc.
Satoshi Seino	President and CEO, East Japan Railway Company
Richard Dasher	Director, US-Asia Technology Management Center, School of Engineering, Stanford University
Atsuko Toyama	President, New National Theater Foundation Former Minister of Education, Culture, Sports, Science and Technology
Kyuzo Nakamura	President and CEO, ULVAC, Inc.
Tetsuro Higashi	Chairman and CEO, Tokyo Electron Limited
Yoshihiro Murai	Governor of Miyagi Prefecture
Toshiaki Yashima	Honorary Chairman, Tohoku Economic Federation

Internal Members	
Akihisa Inoue	President
Toshiya Ueki	Executive Vice President
Yoshiaki Nemoto	Executive Vice President
Makoto Watanabe	Executive Vice President
Keiichi Noe	Executive Vice President
Mamoru Orihara	Executive Vice President
Hiroyuki Yoshikawa	Executive Vice President
Hiromitsu Ishi	Executive Vice President
Yukihisa Kitamura	Senior Vice President Director, Office of the President
Osamu Hashimoto	Vice President
Susumu Satomi	Vice President Director, University Hospital
Masayuki Yamamoto	Vice President Dean, Graduate School of Medicine
Masuo Okada	Vice President Special Advisor to President
Eiji Hyoudou	Vice President Deputy Director, Office of the President
Tatsuo Uchida	Dean, Graduate School of Engineering
Toshiaki Ikohagi	Director, International Advanced Research and Education Organization



Aobayama Campus



Katahira Campus

## Education and Research Council

Akihisa Inoue	President
Toshiya Ueki	Executive Vice President
Yoshiaki Nemoto	Executive Vice President
Makoto Watanabe	Executive Vice President
Keiichi Noe	Executive Vice President
Mamoru Orihara	Executive Vice President
Hiroyuki Yoshikawa	Executive Vice President
Hiromitsu Ishi	Executive Vice President
Yukihisa Kitamura	Senior Vice President Director, Office of the President
Osamu Hashimoto	Vice President
Susumu Satomi	Vice President Director, University Hospital
Toshio Iijima	Vice President Dean, Graduate School of Life Sciences
Masayuki Yamamoto	Vice President Dean, Graduate School of Medicine
Masuo Okada	Vice President Special Advisor to President
Akihiro Kijima	Vice President Deputy Director, Office of the President
Eiji Hyoudou	Vice President Deputy Director, Office of the President
Junsuke Hara	Dean, Graduate School of Arts and Letters
Toru Hosokawa	Dean, Graduate School of Education
Kaoru Inaba	Dean, Graduate School of Law
Yoshihiko Tsukuda	Dean, Graduate School of Economics and Management
Kimio Hanawa	Dean, Graduate School of Science
Takashi Ssasano	Dean, Graduate School of Dentistry
Akira Naganuma	Dean, Graduate School of Pharmaceutical Sciences
Tatsuo Uchida	Dean, Graduate School of Engineering
Akihiko Kudo	Dean, Graduate School of Agricultural Science
Naoki Ishihata	Dean, Graduate School of International Cultural Studies
Takao Nishizeki	Dean, Graduate School of Information Sciences
Shoji Taniguchi	Dean, Graduate School of Environmental Studies
Masaaki Sato	Dean, Graduate School of Biomedical Engineering
Kazuo Nakajima	Director, Institute for Materials Research
Hiroshi Fukuda	Director, Institute of Development, Aging and Cancer
Toshiyuki Hayase	Director, Institute of Fluid Science

Masafumi Yano	Director, Research Institute of Electrical Communication
Fumio Saito	Director, Institute of Multidisciplinary Research for Advanced Materials
Shinichi Watabe	Dean, Graduate School of Educational Informatics Research Division
Masahisa Segawa	Director, Center for Northeast Asian Studies
Masahiro Hanato	Professor, Graduate School of Arts and Letters
Eiichi Miyakoshi	Professor, Graduate School of Education
Hideaki Serizawa	Professor, Graduate School of Law
Toshio Suzuki	Professor, Graduate School of Economics and Management
Yoshio Kuramoto	Professor, Graduate School of Science
Yoshitomo Oka	Professor, Graduate School of Medicine
Keiichi Sasaki	Professor, Graduate School of Dentistry
Yoshiteru Oshima	Professor, Graduate School of Pharmaceutical Sciences
Kunio Sawaya	Professor, Graduate School of Engineering
Takahiro Yamaguchi	Professor, Graduate School of Agricultural Science
Tsutomu Nunota	Professor, Graduate School of International Cultural Studies
Koichiro Deguchi	Professor, Graduate School of Information Sciences
Hideyuki Takahashi	Professor, Graduate School of Life Sciences
Kazuyuki Tohji	Professor, Graduate School of Environmental Studies
Hidetoshi Matsuki	Professor, Graduate School of Biomedical Engineering
Sadamichi Maekawa	Professor, Institute for Materials Research
Yasufumi Sato	Professor, Institute of Development, Aging and Cancer
Shigenao Maruyama	Professor, Institute of Fluid Science
Hideo Ohno	Professor, Research Institute of Electrical Communication
Tokuji Miyashita	Professor, Institute of Multidisciplinary Research for Advanced Materials
Masashi Komatsu	Vice Director, University Hospital
Takashi Sekiuchi	Professor, Inter-Department Institutes for Education
Keizo Ishii	Professor, Inter-Department Institutes for Research
Toshiaki Ikohagi	Director, International Advanced Research and Education Organization
Yoshinori Yamamoto	Director, Advanced Institute for Materials Research



Kawauchi Campus



Aobayama Campus



# University Personnel

(as of May 1, 2008)

Classification		President	Executive Vice Presidents	Auditors	Professors	Associate Professors	Senior Assistant Professors	Assistant Professors	Research Associates	Sub Total	Administrative/ Technical Staff	Grand Total
President		1										1
Executive Vice President			5 (2)									7
Auditor				1 (1)						1 (1)		2
Administration Bureau	Office of the President									0	8	8
	General Affairs Department							1		1	81	82
	Education and Student Support Department									0	68	68
	Finance Department									0	70	70
	Research Cooperation Department									0	22	22
	Facilities Department									0	44	44
	Information Department									0	37	37
	International Affairs Department									0	17	17
	Office for Campus Relocation									0	13	13
	Office for Environmental Security									0	1	1
	Office for Conflict of Interest Management								1	1	1	2
	Audit Office									0	6	6
Graduate School of Arts and Letters					44	29	4	15		92	18	110
Graduate School of Education					21	11	1	2		35	11	46
Graduate School of Law					26	23		6	7	62	16	78
Graduate School of Economics and Management					40	20	2		5	67	14	81
Graduate School of Science					83	78	7	99	3	270	102	372
Graduate School of Medicine					95	71	16	104	13	299	56	355
Graduate School of Dentistry					23	8	9	58		98	24	122
Graduate School of Pharmaceutical Sciences					18	15	4	22	8	67	18	85
Graduate School of Engineering					113	103	4	122	13	355	201	556
Graduate School of Agricultural Science					41	36		28	7	112	62	174
Graduate School of International Cultural Studies					27	26				53	11	64
Graduate School of Information Sciences					34	25	4	26		89	13	102
Graduate School of Life Sciences					24	22	2	20	4	72	19	91
Graduate School of Environmental Studies					26	12	2	23		63	5	68
Graduate School of Biomedical Engineering					18	5		4		27	5	32
Graduate School of Educational Informatics					3	3		3		9		9
Institute for Materials Research					23	28	2	66	3	122	94	216
Institute of Development, Aging and Cancer					16	13	1	26		56	22	78
Institute of Fluid Science					16	10	2	13		41	27	68
Research Institute of Electrical Communication					29	18		28		75	32	107
Institute of Multidisciplinary Research for Advanced Materials					45	28	4	61		138	79	217
University Library	Main Library									0	32	32
	Medical Library									0	8	8
	Kita-Aobayama Library									0	4	4
	Engineering Library									0	11	11
	Agricultural Library									0	4	4
University Hospital					5	19	69	209	2	304	1,489	1,793
Center for Northeast Asian Studies					11	6		4	1	22	0	22
Center for the Advancement of Higher Education					14	12	11	17	5	59	14	73
The Center for Academic Resources and Archives					3	3		7		13	6	19
International Advanced Research and Educaiton Organization					1	2		13		16	2	18
Cyclotron and Radioisotope Center					3	3		3	3	12	3	15
New Industry Creation Hatchery Center					7			1	1	9	4	13
Center for Interdisciplinary Research					3	4				7	1	8
Cyberscience Center					4	3		1		8		8
Office of Cooperative Research and Development					1	1		1		3	2	5
Center for Research Strategy and Support						8		3	2	13	3	16
Environment Conservation Research Institute								1	2	3	1	4
Center for International Exchange					2	1	1			4		4
Archaeological Research Office on the Campus										0	4	4
Global Operations Centre										0	2	2
Campus Planning Office										0	3	3
Innovation of New Biomedical Engineering Center					2	2		3	2	9	1	10
Institute of Liberal Arts and Sciences					3					3		3
WPI Advanced Institute for Materials Research					16	6	2	16	14	54	12	66
Regular Personnel		1	7	2	840	654	147	1,006	96	2,743	2,803	5,556

\* Counts include employees on leave status.

\* ( ) indicates the number of part-time personnel



## Faculties

	Majors		Majors
Arts and Letters	Humanities and Social Sciences	Medicine	Medicine Health Sciences
Education	Educational Science	Dentistry	Dentistry
Law	Law	Pharmacy and Pharmaceutical Sciences	Pharmacy Pharmaceutical Sciences
Economics	Economics Business Administration	Engineering	Mechanical and Aerospace Engineering Information and Intelligent Systems Applied Chemistry, Chemical Engineering and Biomolecular Engineering Materials Science and Engineering Civil Engineering and Architecture
Science	Mathematics Physics Astronomy and Geophysics Chemistry Geoenvironmental Science Earth and Planetary Materials Science Biology	Agriculture	Applied Bio-Sciences Applied Biological Chemistry

## Graduate Schools

	Majors		Majors
Arts and Letters	Humane Studies Linguistic Studies Historical Studies Human Sciences	Agricultural Science	Biological Resource Sciences Life Science Bioscience and Biotechnology for Future Bioindustries
Education	Educational Science Educational Design and Measurement	International Cultural Studies	Area Studies Intercultural Relations Language Studies
Law	Law and Society (Law School) Public Law and Policy (School of Public Policy) Legal and Political Studies	Information Sciences	Computer and Mathematical Sciences System Information Sciences Human-Social Information Sciences Applied Information Sciences
Economics and Management	Economics and Management Accountancy (Accounting School)	Life Sciences	Biomolecular Sciences Developmental Biology and Neurosciences Environmental Life Sciences
Science	Mathematics Physics Astronomy Geophysics Chemistry Earth Science	Environmental Studies	Environmental Studies
Medicine	Medical Sciences Disability Science Health Sciences	Biomedical Engineering	Biomedical Engineering
Dentistry	Dental Sciences	Educational Informatics Education Division	Educational Informatics
Pharmaceutical Sciences	Pharmaceutical Chemistry Bio-Pharmaceutical Science Life Science	Educational Informatics Research Division	IT Education System Theory IT Education Cognitive Science IT Educational Architecture IT Educational Theory for Application and Practice Theory of Comparative IT Education
Engineering	Mechanical Systems and Design Nanomechanics Aerospace Engineering Quantum Science and Energy Engineering Electrical and Communication Engineering Electronic Engineering Applied Physics Applied Chemistry Chemical Engineering Biomolecular Engineering Metallurgy Materials Science Materials Processing Civil and Environmental Engineering Architecture and Building Science Management Science and Technology Bioengineering and Robotics	Professional Graduate Schools	Law School School of Public Policy Accounting School

## Research Institutes

Institute	Department	Mission
Institute for Materials Research (National Collaborative Research Institute)	28 divisions	Experimental and Theoretical Studies of New Materials and their applications
Institute of Development, Aging and Cancer	7 divisions	Basic and Clinical Studies of Cancer and Brain Diseases related to the aging process
Institute of Fluid Science	5 divisions	Theoretical and Experimental Studies on Fluid Flows
Research Institute of Electrical Communication (National Collaborative Research Institute)	4 divisions	Theory and Application of Intelligent Information Science and Communications
Institute of Multidisciplinary Research for Advanced Materials	7 divisions	Systematic and Futuristic Studies of a New Generation Concepts, Methodologies and Processes

## Inter-Department Institutes for Education and Research

Institute	Mission
Center for Northeast Asian Studies	Referring to areas on North and East Asia, including Japan where the regional interdisciplinary and integrated studies are carried out.
Center for the Advancement of Higher Education	Plan, promote, and support research development, and to raise the level of educational knowledge and pedagogy in the universities.
The Center for Academic Resources and Archives	To collect and store scholarly materials belonging to the University, include specimens and records relating to the University's history; to preserve biological resources grown within the Botanical Gardens; and to carry out research pertaining to these scholarly materials and biological resources, thereby contributing to education and research at the University while also disseminating and making available such knowledgeable materials widely for the advancement of education in society.
International Advanced Research and Education Organization	Create new interdisciplinary areas and new intelligence, while continuing to promote research in such areas and to educate young talented researchers who can generate this intelligence.
Cyclotron and Radioisotope Center	To conduct research studies in various energy fields using the cyclotron and high-level, short-lived radioisotopes, as well as to carry out training in the safe handling of radiation and radioisotopes. Interdisciplinary research is carried out in nuclear biology with an accelerator and instrumentations, as well as in radiopharmaceutical chemistry, cyclotron nuclear medicine, and radiation protection and safety control.
New Industry Creation Hatchery Center (NICHe)	To respond to society by creating new technologies and products as well as by exploring new uses and industries. Original and cutting edge research is carried out in collaboration with industry.
Center for Interdisciplinary Research	Conduct interdisciplinary studies in unexplored areas and to further internationalism by creating innovative new fields of study.
Technology Center for Research and Education Activities	Establish large-scale research facilities which contribute to the advancement of research and education. To manage these facilities in order to make them available for common use by faculty and other qualified persons, and to offer a stable supply of low-temperature liquid and providing guidance in cryogenic technology. To promote upgrading, and the fusing of education and research with social contribution at the University, ensure research functions and equipment designated by the University be shared widely in and outside the University through collaborations with campus wide departments, schools and institutions.
Cyberscience Center	Cyberscience Center, functioning as the Inter-Department Institution for Education and Research, also functions as the National Collaborative Research Institute; it carries out practical research on design and operation of cyberinfrastructure based upon high-performance computing, networking and information-related technologies which promote the use of advanced information technology in research and education.



Graduate School of Engineering



Kawauchi Campus

## University Collaborating Institutions

Institution	Mission
Office of Cooperative Research and Development	Promotion of wide-ranging academic research, contribution to the creation of knowledge, and management/utilization of the research results as an university intellectual property are our mission. They contribute to the establishment of mutually beneficial collaboration between industry, academia and government, and the further development of our society as well as support for the creation of new business.
Office for Strategic Promotion of Basic Research	This office supports the advancement of research at the University through strategic and competitive fund-raising. It is also involved in the planning, collecting and disseminating of information within the university.
Center for Research Strategy and Support (CRESS)	To support advancement and the diverse programs aimed towards promoting collaborative and interdisciplinary research of both total and strategic abilities of the university; these supporting programs which CRESS promotes are for the creation of the university's knowledge, its innovations and advantageous processing. CRESS is also active in the support of returning and contributing its achievements to society.
Environment Conservation Research Institute	To protect the environment by the correct disposal of all waste products including wastewater, spent oil and other harmful waste (excluding radioactive waste) resulting from research activities conducted at this university. In addition, to conduct research on the technologies needed to deal with the different types of waste, it also develops technologies free from secondary pollution for the utilization of waste as raw chemical materials.
Center for International Exchange	To promote international exchange, by assisting in the receptions and departures of scholars and students, by supporting the development of international activities and again by assisting foreign scholars and students in their orientation classes on Japan and the Japanese educational system.
Archaeological Research Office on the Campus	Investigate and research archeological findings on campus and plan for their preservation and use.
Global Operations Center	The aim of this center is assisting the university to become an internationally competitive educational center with world-class research and instruction. To strategically direct the university's international activities and to assure that it is suitably endowed to assume its role as a recognized member of the global academic community.
Campus Planning Office	To conduct surveys and research, accumulate materials and draft proposals relating to the faculty and of the future plans for the Tohoku University campus, and also provide expert support to committees involved in campus planning.
Innovation of New Biomedical Engineering Center	As a major support center of Translational Research based upon biomedical engineering, the Center is consistent to support and apply (1) achievement of basic research on medical equipment and material, (2) cell remedies and (3) drug-discovery in the clinical stage and also fosters human resources to play the Translational Research task.

## Institute of Liberal Arts and Sciences

<b>Mission</b>	To provide students with a well-rounded education, Institute of Liberal Arts and Sciences, collaborates with the Center for the Advancement of Higher Education; implements and supports a liberal arts and general science education. Accordingly, Institute of Liberal Arts and Sciences contributes to the cultivation of specialized human resources with creative spirit and high level problem-solving skills.
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## WPI Advanced Institute for Materials Research (WPI-AIMR)

<b>Mission</b>	As an international research center of innovative material science, WPI-AIMR established new atomic and molecular control through the deepening of principle theory on the atomic and molecular level and interdisciplinary integration. Based upon this idea, WPI-AIMR creates new materials with innovative and practical functions. Accordingly, WPI-AIMR contributes sustainable development to industrial economy in Japan, maintaining a leading-edge and progress in relevant academic fields.
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## Information Synergy Organization

<b>Mission</b>	The Information Synergy Organization carries out planning, arranging, implementing, and managing of university-wide information infrastructures. Moreover, this organization contributes to the promotion of computerization by coordinating improvement, utilizing the management of an information system while providing various kinds of advanced IT services based upon the information infrastructures.
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## University Library

### Number of Volumes

(as of March 31, 2008)

Classification		Types of Materials	Main Library	Medical Library	Kita-Aobayama Library	Engineering Library	Agricultural Library	Total
Number of Volumes	Books	Japanese	1,402,401	165,014	74,592	154,091	72,766	1,868,864
		Foreign	1,115,262	261,419	293,219	171,742	60,456	1,902,098
		Total	2,517,663	426,433	367,811	325,833	133,222	3,770,962
	Periodicals	Japanese	23,671	4,551	1,932	3,460	3,194	36,808
		Foreign	16,338	8,840	6,381	3,996	1,685	37,240
		Total	40,009	13,391	8,313	7,456	4,879	74,048

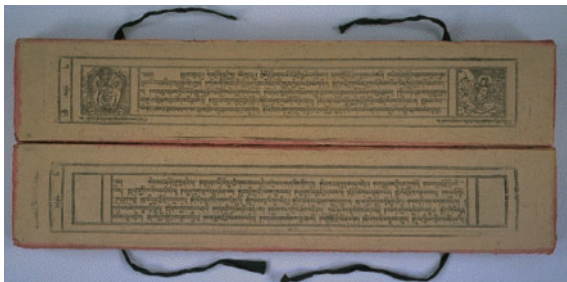
### Usage Statistics

(FY 2007)

Classification	Main Library	Medical Library	Kita-Aobayama Library	Engineering Library	Agricultural Library	Total
Visitors	535,505	166,725	85,981	106,322	32,630	927,163
External Readers	13,145	1,696	452	267	103	15,663
Books for Loan	135,949	10,493	13,087	35,242	5,539	200,310
Reference Services	8,998	3,199	3,795	4,253	1,305	21,550
Information Retrieval Services	16,858	6,815	1,515	1,914	587	27,689
Literature Duplication	10,062	58,082	17,825	21,367	4,017	111,353

### Collections

<b>1. National Treasures</b>	Shiki Kobun Hongi / Shiji Xiao Wen benji di shi v.10 (Heian Period) Ruiju kokushi v.25 (Heian Period)
<b>2. Cherished Books (Total: 930 items)</b>	Japanese books: 820 items (including 574 items of Kano Collection) Foreign books: 110 items
<b>3. Major and Special Collections</b>	Kano Collection (consisted of about 108,000 books including the above two national treasures), Kushida (Tamizo) Collection, Soseki Collection, Haseda (Taizo) Collection, Sunaga (Shigemitsu) Collection, Wada (Saichirou) Collection, Kojima (Kikuo) Collection, Orui (Noburu) Collection, Abe (Jiro) Collection, Bansui Collection, Umehara (Sueji) Collection, Ishizu (Teruji) Collection, Yajima (Genryo) Collection, Kinoshita (Akira) Collection, Kouno (Yoichi) Collection, Yanase (Yoshimoto) Collection, Ito (Nobuo) Collection, Nakano (Tadashi) Collection, Nakamura (Kichiji) Collection, Matsumoto (Kinju) Collection, Takayanagi (Shinzo) Collection, Miyata (Mitsuo) Collection, Wasan (native mathematics of Japan) Collection, Hirayama (Akira) Collection, The Akita archive, Documents of the Haruyama family, Wundt Collection (Wilhelm Wundt), Koeber Collection (Raphael von Koeber), Stein Collection (Friedrich Stein), Seckel Collection (Emil Seckel), Zitelmann Collection (Ernst Zitelmann), Tibetan Tripitaka (sde dge edition), Würfel Collection (Georg Würfel)



Tibetan Tripitaka



A copy of Matteo Ricci's World Map



A copy of GuKaizhi's "The Admonitions of the Instructress to the Court Ladies"



## University Hospital

(as of April 1, 2008)		
Divisions	Clinical Departments	Beds
Medicine	Internal Medicine	1,308
	Surgery	
	Obstetrics, Gynecology and Urology	
	Neurological and Psychiatric Disorders	
	Pediatrics	
	Sense Organ and Rehabilitation Medicine	
	Radiology	
Dentistry	Oral Health Enhancement	
	Oral Medicine and Surgery	
	Oral Reconstruction	
	Rehabilitation of Oral Function	

### Number of Patients (FY 2007)

Divisions / Inpatient Treatments	Total Number of Inpatients	Average Number of Inpatients per day
Medicine	387,958	1,060.0
Dentistry	8,990	24.6
Divisions / Outpatient Treatments	Total Number of Outpatients	Average Number of Outpatients per day
Medicine	528,731	2,158.1
Dentistry	139,330	568.8

### Advanced Medical Care

Functional electrical nerve stimulation with percutaneous implantable electrodes

Laparoscopic lymph node excision for the treatment of retroperitoneal lymph node metastasis urogenital tumors

Identification and search for metastasis from malignant melanoma or sentinel lymph node in breast cancer



University Hospital





# Students

## Number of Students

### Total Number

(as of May 1, 2008)

Categories	Number of Quota	Number of Students	Number of International Students included in counts			Research Students Special Auditors Special Research Students Special Students Intensive Japanese Language Program
			Japanese Government Scholarships	Private Means	Sub Total	
Undergraduate Students	9,834	10,953 (2,613)	52	70	122	285
Graduate Students (Master Course / Master's Program / Profession Degree Program)	3,772	4,146 (916)	60	274	334	215
Graduate Students (Doctoral Program)	2,859	2,748 (718)	179	261	440	
Sub Total	16,465	17,847 (4,247)	291	605	896	500
Attached School	40	40 (27)	—	—	—	—
Research Institutes	—	—	—	—	—	32
Others	—	—	—	—	—	17
Grand Total	16,505	17,887 (4,274)	291	605	896	549

1. ( ) indicates the number of female students included in counts.

2. "Private Means" include foreign government funds.

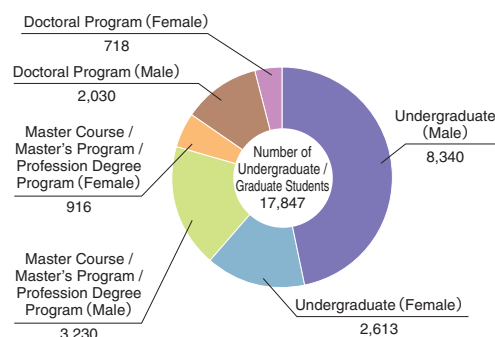
### Faculties

(as of May 1, 2008)

Faculties / Schools	Number of Quota	Number of Students
Arts and Letters	840	956 (529) [14]
Education	280	304 (164) [5]
Law	640	714 (191) [2]
Economics	1,080	1,197 (263) [15]
Science	1,296	1,458 (217) [7]
Medicine	1,208	1,260 (505) [3]
Dentistry	330	325 (115) [0]
Pharmacy and Pharmaceutical Sciences	320	352 (91) [4]
Engineering	3,240	3,723 (323) [72]
Agriculture	600	664 (215) [0]
Total	9,834	10,953 (2,613) [122]

1. ( ) indicates the number of female students included in counts.

2. [ ] indicates the number of international students included in counts.



### Graduate Schools

(as of May 1, 2008)

Graduate Schools	Master Course / Master's Program / Profession Degree Program		Doctoral Program	
	Number of Quota	Number of Students	Number of Quota	Number of Students
Arts and Letters	178	171 (75) [25]	135	238 (83) [19]
Education	83	83 (47) [10]	58	85 (51) [10]
Law	400	324 (66) [6]	60	48 (19) [6]
Economics and Management	180	186 (69) [63]	60	77 (21) [26]
Science	524	533 (80) [15]	390	248 (34) [24]
Medicine	120	156 (81) [10]	597	603 (199) [49]
Dentistry	12	19 (14) [2]	188	160 (51) [5]
Pharmaceutical Sciences	114	161 (46) [3]	78	65 (11) [9]
Engineering	1,234	1,400 (115) [77]	608	609 (56) [163]
Agricultural Sciences	194	261 (95) [10]	138	115 (30) [16]
International Cultural Studies	96	96 (68) [45]	114	101 (61) [30]
Information Sciences	240	281 (30) [35]	171	146 (30) [30]
Life Sciences	212	216 (77) [9]	141	104 (36) [13]
Environmental Studies	130	200 (47) [14]	96	112 (26) [35]
Biomedical Engineering	31	32 (3) [1]	10	22 (2) [4]
Educational Informatics	24	27 (3) [9]	15	15 (8) [1]
Total	3,772	4,146 (916) [334]	2,859	2,748 (718) [440]

1. ( ) indicates the number of female students included in counts.

2. [ ] indicates the number of international students included in counts.

### Attached School

(as of May 1, 2008)

School	Number of Quota	Number of Enrollees	Number of Students
School of Dental Laboratory Technicians	20 x 2 years	18 (10)	40 (27)

1. ( ) indicates the number of female students included in counts.



## Result of Entrance Examination

### Faculties

(FY 2008)

Faculties / Schools		Number of Quota	Number of Applicants	Number of Registered Students
Arts and Letters		210	737 (333)	219 (116)
Education		70	201 (101)	74 (37)
Law		160	457 (123)	163 (44)
Economics		260	1,299 (220)	270 (48)
		20	45 (17)	21 (10)
Science		324	1,420 (239)	337 (55)
Medicine	Medicine	100	554 (113)	101 (17)
	Health Sciences	144	399 (278)	151 (97)
		16	62 (46)	17 (13)
Dentistry		55	210 (83)	55 (22)
Pharmacy and Pharmaceutical Sciences		80	258 (90)	88 (20)
Engineering		810	2,314 (261)	877 (87)
Agriculture		150	480 (181)	166 (52)
Total		2,363	8,329 (2,022)	2,501 (595)
		36	107 (63)	38 (23)

1. ( ) indicates the number of female students included in counts.  
 2. The numbers indicated in lower lines are the 3rd year transfer students.  
 < > indicates the number of female students included in counts.

### Graduate Schools

(FY 2008)

Graduate Schools		Number of Quota	Number of Applicants	Number of Registered Students
Arts and Letters	Master's Program	89	129 (54)	68 (32)
	Doctoral Program	45	38 (10)	26 (7)
Education	Master's Program	43	102 (63)	39 (24)
	Doctoral Program	18	39 (17)	17 (9)
Law	Master's Program	20	22 (6)	7 (3)
	Doctoral Program	20	12 (3)	5 (2)
	Profession Degree Program	130	601 (127)	120 (21)
Economics and Management	Master's Program	50	89 (39)	35 (17)
	Doctoral Program	20	10 (2)	9 (2)
	Profession Degree Program	40	75 (18)	30 (10)
Science	Master's Program	262	329 (45)	250 (39)
	Doctoral Program	130	72 (6)	72 (6)
Medicine	Master Course	44	108 (53)	87 (43)
	Doctoral Course	130	146 (35)	142 (33)
	Master's Program	28	34 (17)	27 (13)
	Doctoral Program	11	10 (5)	9 (5)
Dentistry	Master Course	6	7 (4)	7 (4)
	Doctoral Course	47	47 (16)	44 (15)
Pharmaceutical Sciences	Master's Program	57	107 (35)	76 (24)
	Doctoral Program	26	13 (2)	13 (2)
Engineering	Master's Program	636	880 (66)	688 (55)
	Doctoral Program	174	140 (9)	128 (8)
Agricultural Science	Master's Program	97	157 (56)	125 (45)
	Doctoral Program	46	31 (9)	30 (8)
International Cultural Studies	Master's Program	48	62 (47)	37 (31)
	Doctoral Program	38	28 (19)	18 (12)
Information Sciences	Master's Program	120	173 (19)	126 (14)
	Doctoral Program	57	36 (9)	34 (9)
Life Sciences	Master's Program	106	163 (67)	105 (41)
	Doctoral Program	47	25 (10)	23 (10)
Environmental Studies	Master's Program	65	107 (20)	87 (16)
	Doctoral Program	32	21 (4)	20 (3)
Biomedical Engineering	Master's Program	31	14 (2)	12 (2)
	Doctoral Program	10	18 (1)	18 (1)
Educational Informatics Education Division	Master's Program	12	16 (3)	10 (0)
	Doctoral Program	5	7 (4)	5 (3)
Total	Master Course	50	115 (57)	94 (47)
	Doctoral Course	177	193 (51)	186 (48)
	Master's Program	1,664	2,384 (539)	1,692 (356)
	Doctoral Program	679	500 (110)	427 (87)
	Profession Degree Program	170	676 (145)	150 (31)

1. ( ) indicates the number of female students included in counts.



Entrance Ceremony (Apr. 2, 2008)

## Number of Degrees Conferred

### Bachelor's Degree

(as of March 31, 2008)

Undergraduate Schools	Old System	New System	
		FY 2007	Cumulative Total
Arts and Letters	1,277	222	9,301
Education	—	80	6,226
Law	3,844	158	11,248
Economics	1,446	271	11,989
Science	2,747	327	13,849
Medicine	3,290	234	5,776
Dentistry	—	54	2,143
Pharmacy and Pharmaceutical Sciences	—	78	3,270
Engineering	3,953	832	40,427
Agriculture	679	144	7,758
Total	17,236	2,400	111,984

1. Old system of Agriculture includes 59 Bachelors of Forestry

### Master's Degree

(as of March 31, 2008)

Graduate Schools	FY 2007	Cumulative Total
Arts and Letters	62	2,893
Education	37	938
Law	7	540
Economics and Management	54	946
Science	240	7,764
Medicine	36	354
Dentistry	8	21
Pharmaceutical Sciences	72	1,796
Engineering	707	18,364
Agricultural Science	117	3,019
International Cultural Studies	34	548
Information Sciences	146	1,836
Life Sciences	104	620
Environmental Studies	104	375
Educational Informatics Education Division	7	48
Total	1,735	40,062

### Profession Degree

(as of March 31, 2008)

Categories	FY 2007	Cumulative Total
Master of Public Policy (School of Public Policy, established in 2004)	23	73
Juris Doctor (Law School, established in 2004)	93	217
Master of Accountancy (Accounting School, established in 2005)	36	71
Total	152	361

### Doctor's Degree

(as of March 31, 2008)

Graduate Schools	Old System	New System (Doctoral Program)		New System (Dissertation PhD)	
		FY 2007	Cumulative Total	FY 2007	Cumulative Total
Arts and Letters	96	26	278	9	246
Education	—	8	102	2	111
Law	38	9	81	0	52
Economics and Management	50	14	178	2	106
Science	944	78	2,452	7	1,237
Medicine	3,715	112	2,720	11	3,420
Dentistry	—	42	479	5	201
Pharmaceutical Sciences	—	11	419	5	523
Engineering	554	160	4,013	8	2,198
Agricultural Science	152	29	943	6	733
International Cultural Studies	—	18	95	1	6
Information Sciences	—	32	439	1	51
Life Sciences	—	27	130	4	12
Environmental Studies	—	27	101	0	14
Educational Informatics Education Division	—	3	6	1	1
Total	5,549	596	12,436	62	8,911



Graduation Ceremony (Mar. 25, 2008)

## After Graduation Status

### Faculties

(as of April 1, 2008)

Categories Faculties / Schools	Number of graduates	Number of students going on to higher stage of education	Number of medical / dental students employed as interns	Number of the employed	Place of employment		Others
					In Miyagi Prefecture	Out of Miyagi Prefecture	
Arts and Letters	222 (121)	49 (24)	—	123 (86)	21 (12)	111 (74)	41 (11)
Education	80 (37)	18 (9)	—	48 (21)	13 (5)	35 (16)	14 (7)
Law	158 (52)	45 (17)	—	86 (26)	8 (4)	78 (22)	27 (9)
Economics	271 (60)	25 (7)	—	220 (49)	34 (8)	186 (41)	26 (4)
Science	327 (57)	276 (47)	—	39 (7)	4 (1)	35 (6)	12 (3)
Medicine (6 years)	88 (16)	1 (1)	86 (15)	0 (0)	0 (0)	0 (0)	1 (0)
Medicine (4 years)	146 (94)	39 (18)	0 (0)	94 (69)	43 (29)	51 (40)	13 (7)
Dentistry	54 (21)	0 (0)	47 (18)	0 (0)	0 (0)	0 (0)	7 (3)
Pharmacy and Pharmaceutical Sciences	78 (27)	63 (20)	—	11 (5)	0 (0)	11 (5)	4 (2)
Engineering	832 (67)	726 (53)	—	89 (13)	9 (2)	80 (11)	17 (1)
Agriculture	144 (56)	118 (45)	—	20 (9)	2 (2)	18 (7)	6 (2)
Total	2,400 (608)	1,360 (241)	133 (33)	739 (285)	134 (63)	605 (222)	168 (49)

1. ( ) indicates the number of female students included in counts.

2. "Others" include research students; special students; graduates preparing for the exam for National Public Service; graduates unemployed; and others.

### Graduate Schools (Master's Program)

(as of April 1, 2008)

Categories Graduate Schools	Number of graduates	Number of students going on to higher stage of education	Number of medical / dental students employed as interns	Number of the employed	Place of employment		Others
					In Miyagi Prefecture	Out of Miyagi Prefecture	
Arts and Letters	62 (21)	14 (2)	—	32 (13)	7 (4)	25 (9)	16 (6)
Education	37 (24)	5 (3)	—	23 (16)	11 (8)	12 (8)	9 (5)
Law	7 (2)	2 (0)	—	2 (0)	1 (0)	1 (0)	3 (2)
Economics and Management	54 (25)	12 (4)	—	26 (13)	4 (3)	22 (10)	16 (8)
Science	240 (36)	80 (10)	—	147 (24)	8 (1)	139 (23)	13 (2)
Medicine	20 (15)	11 (9)	0 (0)	7 (4)	5 (2)	2 (2)	2 (2)
Dentistry	—	—	—	—	—	—	—
Pharmaceutical Sciences	72 (25)	9 (1)	—	61 (23)	5 (1)	56 (22)	2 (1)
Engineering	707 (48)	71 (2)	—	619 (42)	24 (3)	595 (39)	17 (4)
Agricultural Science	117 (42)	18 (5)	—	88 (34)	7 (4)	81 (30)	11 (3)
International Cultural Studies	34 (24)	16 (12)	—	7 (6)	1 (1)	6 (5)	11 (6)
Information Sciences	146 (19)	21 (4)	—	99 (10)	8 (1)	91 (9)	26 (5)
Life Sciences	104 (33)	23 (12)	—	61 (17)	0 (0)	61 (17)	20 (4)
Environmental Studies	104 (21)	10 (2)	—	89 (15)	7 (1)	82 (14)	5 (4)
Educational Informatics Education Division	7 (3)	1 (0)	—	4 (1)	2 (1)	2 (0)	2 (2)
Total	1,711 (338)	293 (66)	0 (0)	1,265 (218)	90 (30)	1,175 (188)	153 (54)

1. ( ) indicates the number of female students included in counts.

2. "Others" include research students; special students; graduates preparing for the exam for National Public Service; graduates unemployed; and others.

### Graduate Schools (Doctoral Program)

(as of April 1, 2008)

Categories Graduate Schools	Number of graduates	Number of students going on to higher stage of education	Number of medical / dental students employed as interns	Number of the employed	Place of employment		Others	Number of postdoctoral fellows included in counts
					In Miyagi Prefecture	Out of Miyagi Prefecture		
Arts and Letters	26 (7)	0 (0)	—	14 (5)	3 (0)	11 (5)	12 (2)	0 (0)
Education	8 (1)	0 (0)	—	4 (1)	0 (0)	4 (1)	4 (0)	2 (0)
Law	9 (4)	0 (0)	—	2 (1)	2 (1)	0 (0)	7 (3)	0 (0)
Economics and Management	14 (7)	0 (0)	—	6 (3)	0 (0)	6 (3)	8 (4)	0 (0)
Science	78 (17)	0 (0)	—	48 (10)	7 (1)	41 (9)	30 (7)	6 (1)
Medicine	6 (2)	0 (0)	0 (0)	5 (2)	3 (1)	2 (1)	1 (0)	0 (0)
Dentistry	—	—	—	—	—	—	—	—
Pharmaceutical Sciences	11 (0)	0 (0)	—	9 (0)	1 (0)	8 (0)	2 (0)	0 (0)
Engineering	160 (13)	0 (0)	—	105 (6)	10 (0)	95 (6)	55 (7)	2 (1)
Agricultural Science	29 (7)	0 (0)	—	12 (4)	4 (1)	8 (3)	17 (3)	0 (0)
International Cultural Studies	18 (13)	0 (0)	—	3 (2)	0 (0)	3 (2)	15 (11)	9 (7)
Information Sciences	32 (4)	0 (0)	—	17 (2)	5 (2)	12 (0)	15 (2)	0 (0)
Life Sciences	27 (6)	0 (0)	—	9 (2)	2 (2)	7 (0)	18 (4)	0 (0)
Environmental Studies	27 (4)	0 (0)	—	22 (1)	1 (0)	21 (1)	5 (3)	0 (0)
Educational Informatics Education Division	3 (1)	0 (0)	—	2 (1)	1 (0)	1 (1)	1 (0)	1 (0)
Total	448 (86)	0 (0)	0 (0)	258 (40)	39 (8)	219 (32)	190 (46)	20 (9)

1. ( ) indicates the number of female students included in counts.

2. "Others" include research students; special students; graduates preparing for the exam for National Public Service; graduates unemployed; and others.



## After Graduation Status

(as of April 1, 2008)

### Graduate School (Master's Course)

Categories	Number of graduates	Number of students going on to higher stage of education	Number of medical / dental students employed as interns	Number of the employed	Place of employment		Others	Number of postdoctoral fellows included in counts
					In Miyagi Prefecture	Out of Miyagi Prefecture		
Graduate Schools								
Medicine	16 (7)	6 (3)	0 (0)	9 (3)	3 (1)	6 (2)	1 (1)	0 (0)
Dentistry	8 (5)	3 (2)	0 (0)	5 (3)	5 (3)	0 (0)	0 (0)	0 (0)
Total	24 (12)	9 (5)	0 (0)	14 (6)	8 (4)	6 (2)	1 (1)	0 (0)

1. ( ) indicates the number of female students included in counts.

2. "Others" include research students; special students; graduates preparing for the exam for National Public Service; graduates unemployed; and others.

(as of April 1, 2008)

### Graduate Schools (Doctor Course)

Categories	Number of graduates	Number of students going on to higher stage of education	Number of medical / dental students employed as interns	Number of the employed	Place of employment		Others	Number of postdoctoral fellows included in counts
					In Miyagi Prefecture	Out of Miyagi Prefecture		
Graduate Schools								
Medicine	106 (28)	1 (1)	8 (0)	83 (21)	59 (15)	24 (6)	14 (6)	0 (0)
Dentistry	42 (10)	0 (0)	0 (0)	27 (7)	21 (4)	6 (3)	15 (3)	0 (0)
Total	148 (38)	1 (1)	8 (0)	110 (28)	80 (19)	30 (9)	29 (9)	0 (0)

1. ( ) indicates the number of female students included in counts.

2. "Others" include research students; special students; graduates preparing for the exam for National Public Service; graduates unemployed; and others.

(as of April 1, 2008)

### Graduate Schools (Profession Degree Program)

Categories	Number of graduates	Number of students going on to higher stage of education	Number of medical / dental students employed as interns	Number of the employed	Place of employment		Others
					In Miyagi Prefecture	Out of Miyagi Prefecture	
Graduate Schools							
Law	23 (5)	0 (0)	—	21 (4)	1 (0)	20 (4)	2 (1)
Juris Doctor	93 (19)	0 (0)	—	4 (0)	0 (0)	4 (0)	89 (19)
Economics and Management	36 (11)	0 (0)	—	10 (2)	0 (0)	10 (2)	26 (9)
Total	152 (35)	0 (0)	0 (0)	35 (6)	1 (0)	34 (6)	117 (29)

1. ( ) indicates the number of female students included in counts.

2. "Others" include research students; special students; graduates preparing for the exam for National Public Service; graduates unemployed; and others.

## "Gakuyu-kai" Extracurricular Activities

"Gakuyu-kai" is a university association, consisting of the student body and faculty of our university; it incorporates a membership system with fees charged to all its members. The association covers many extracurricular events in cultural and sport activities for the entire university as a whole; it also hosts activities such as University Festival and Welcome Parties events for its newcomers. We are hopeful that all students enjoy and develop a positive and refined character throughout the "Gakuyu-kai" activities.

### Cultural activities

Male Chorus, Mixed Chorus, Symphony Orchestra, Literary Arts, Fine Arts, Movie, Drama, Photograph, Tea-Ceremony, Noh drama, Japanese Music, Broadcasting Study, Amateur Radio, Rakugo Study, English Speaking Society, Game of Go, Juggling, Light Music, Mandolin Music, Chemistry, Audiophile, Wind Music, Japanese Chess, Calligraphy

### Sport activities

Athletic Sports, Baseball, Semi-Hardball Baseball, Tennis, Softball Tennis, Rugby Football, Volleyball, Soccer, Basketball, Table Tennis, Mountaineering, Swimming, Rowing, Yacht, Skating, Horse-Riding, Badminton, Judo, Skiing, Handball, Aviation, Kendo, Kyudo, Karate, Motorcar, Wandervogel, Golf, Aikido, Fencing, Cheering Group, Cycling, Bodybuilding, Shorinji-Kempo, Gymnastic, American Football, Orienteering, Competition Dancing, Archery, Triathlon, Lacrosse, Ice Skating, Racing CART, Kyokushin Karate, Sumo Wrestling, Softball



# Finance

## Summary of Financial Statements of FY2007

### Balance Sheet

(March 31, 2008, million yen)

Assets	
<b>Fixed Assets</b>	<b>302,275</b>
Land	135,580
Buildings and structures	101,269
Machinery and equipment	37,622
Books and collections	25,154
Vessels and vehicles	129
Construction in progress	1,639
Others	880
<b>Current Assets</b>	<b>41,010</b>
Cash and cash equivalents	32,101
Accounts receivable	6,920
Inventories	1,989
<b>Total Assets</b>	<b>343,286</b>

Liabilities	
<b>Long-term Liabilities</b>	<b>108,789</b>
Accumulated depreciation	48,742
Long-term debt	60,047
<b>Current Liabilities</b>	<b>38,341</b>
Main liabilities	13,772
Current portion of long-term debt	3,991
Accounts payable	18,117
Others	2,460
<b>Total Liabilities</b>	<b>147,131</b>

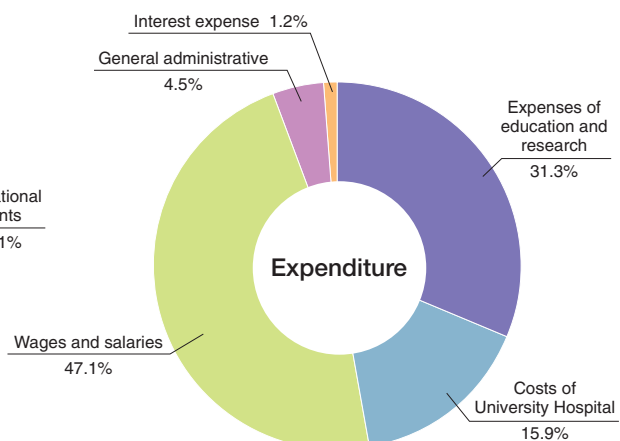
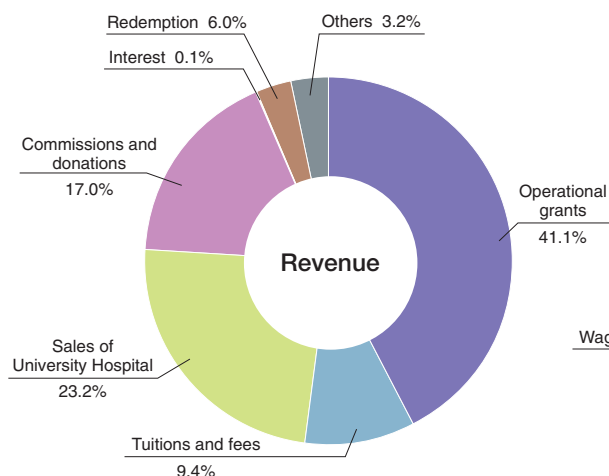
Equity	
Capital	180,227
Capital surplus	4,930
Retained earnings	10,997
<b>Total Equity</b>	<b>196,155</b>

<b>Total Liabilities and Equity</b>	<b>343,286</b>
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### Income Statement

(April 1, 2007 - March 31, 2008, million yen)

<b>Revenues</b>	<b>105,481</b>
Operational grants	47,791
Tuitions and fees	10,943
Sales of University Hospital	27,002
Commissions and donations	16,429
Others	3,314
<b>Costs and Expenses</b>	<b>110,815</b>
Expenses of education and research	35,051
Costs of University Hospital	17,869
Wages and salaries	52,838
General administrative	5,055
<b>Operating Income</b>	<b>▲ 5,333</b>
<b>Other Income</b>	<b>11,064</b>
Interest	72
Redemption	6,993
Others	3,999
<b>Other Expenses and Losses</b>	<b>1,593</b>
Interest expense	1,351
Others	241
<b>Net Income</b>	<b>4,137</b>



## Research Funds

### Grants-in-Aid for Scientific Research

(FY 2007)

Categories	Number of Projects	Amount of Grants (thousand yen)		
		Direct Expenses	Indirect Expenses	Total
Specially Promoted Research	14	932,793	279,838	1,212,631
Scientific Research in Priority Areas	226	1,826,556	—	1,826,556
Scientific Research (S) or (A) or (B) or (C)	923	3,923,544	1,177,063	5,100,607
Exploratory Research	249	366,103	—	366,103
Young Scientists (S) or (A) or (B)	548	1,164,171	161,218	1,325,389
Encouragement of Scientists	14	10,340	—	10,340
Special Purposes	2	2,900	—	2,900
Publication of Scientific Research Results (Announcement of Publication of Scientific Research Results, Scientific Literature, and Databases)	8	25,000	—	25,000
JSPS Fellows	313	292,329	—	292,329
Creative Scientific Research	7	491,100	147,330	638,430
Total	2,304	9,034,836	1,765,449	10,800,285

### Donations and Commissioned Research

(FY 2007)

Categories	Number of Recipients	Amount Received (thousand yen)
Donations	2,687	4,871,786
Joint Research with Industry	698	2,085,998
Funds for Commissioned Research	General Funds	338
	Commissioned Research	216
	Competitive Funds	554
	Sub Total	1,252
Academic Consulting	121	96,131
Total	4,060	16,154,798

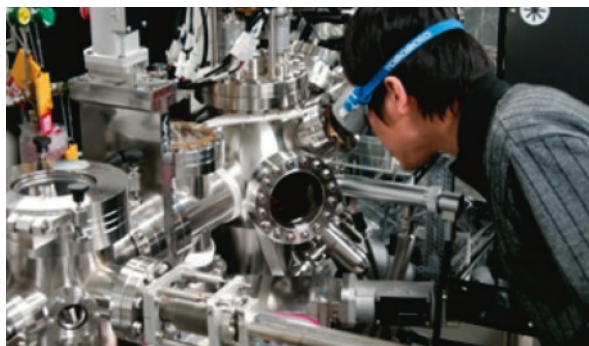
### Other Grants

(FY 2007)

Categories	Number of Projects	Amount of Funds (thousand yen)		
		Direct Expenses	Indirect Expenses	Total
21st Century COE Program (MEXT)	8	1,185,500	118,550	1,304,050
Global COE Program (MEXT)	5	1,266,100	379,830	1,645,930
Industrial Technology Research and Development Projects (NEDO)	56	341,190	100,617	441,807
Health and Labour Sciences Research Grant (MHLW)	35	954,242	102,541	1,056,783
Grant-in-Aid for Waste Management (MOE)	6	45,540	9,712	55,252
Subsidy for Promoting University Reform (MEXT)	5	170,356	0	170,356
Subsidy for Innovative and Viable Nuclear Energy Technology Development (METI)	2	138,642	6,758	145,400
Grant-in-Aid for Research Base Formation, etc. (except for 21st Century COE Program and Global COE Program)	8	626,907	130,838	757,745
International Joint Research Grant Program (NEDO Grant)	1	22,530	0	22,530
Grant for Practical Application of University R&D Results under the Matching Fund Method (NEDO)	1	42,739	0	42,739
Nuclear Energy Human Resource Development Program	2	34,088	0	34,088
Construction Technology Research and Development subsidy Program (MLIT)	2	36,492	10,948	47,440
A Cancer Medical Examination and Treatment Cooperation Foothold Hospital Performance Enhancement Bussiness	1	16,689	0	16,689
Total	132	4,881,015	859,794	5,740,809

Notes:

JST: Japan Science and Technology Agency  
 NEDO: New Energy and Industrial Technology Development Organization  
 MHLW: Ministry of Health, Labour and Welfare  
 MOE: Ministry of the Environment  
 MEXT: Ministry of Education, Culture, Sports, Science and Technology  
 METI: Ministry of Economy, Trade and Industry  
 MLIT: Ministry of Land, Infrastructure and Transport



Nanoscientific Materials in Atomic Control (Laboratory in World Premier Institute Research Center: Advanced Institute for Materials Science)



GCOE Program "Basic & Translational Research Center for Global Brain Science" (Prof. Noriko Osumi: left)

# Land and Buildings

(Unit: m<sup>2</sup>)

Area / Size			Land			Building		
			Owned	Rented	Total	Owned	Rented	Total
Within Miyagi Prefecture	Sendai City	Katahira	237,532	31	237,563	156,645	0	156,645
		Komegafukuro	3,231	0	3,231	512	0	512
		Kawauchi / Aobayama	2,583,256	14,942	2,598,198	422,407	0	422,407
		Seiryō	179,155	59	179,214	259,767	0	259,767
		Amamiya	92,746	0	92,746	31,297	0	31,297
		Sanjo	50,612	0	50,612	10,776	0	10,776
		Tomizawa	113,877	0	113,877	8,659	0	8,659
		Hyojogawara	18,668	0	18,668	781	0	781
		Miyagi	0	399	399	26	0	26
		Akiu	0	4	4	0	20	20
		Koeji	0	2	2	0	0	0
		Kitanakayama	0	58	58	0	0	0
		Yagiyama	12,810	0	12,810	1,520	0	1,520
		Student Residence	44,212	0	44,212	22,660	0	22,660
		Staff Residence	80,834	0	80,834	43,152	0	43,152
		Sub Total	3,416,933	15,495	3,432,428	958,202	20	958,222
	Outside Sendai City	Zao	0	30,287	30,287	399	0	399
		Shichigahama	0	528	528	355	0	355
		Onagawa / Oshika	23,463	43,338	66,801	1,922	0	1,922
		Kashimadai	10,077	0	10,077	270	0	270
		Naruko / Kawatabi	18,541,862	1,347	18,543,209	17,521	0	17,521
		Natori	1,863	454	2,317	1,050	0	1,050
		Kamafusa	0	144	144	0	5	5
		Kogota	0	1,038	1,038	19	0	19
		Kesennuma	0	112	112	0	0	0
		Yoneyama	0	1,600	1,600	101	0	101
		Marumori	0	181	181	6	0	6
		Wakayanagi	0	100	100	12	0	12
		others	0	68	68	0	0	0
		Staff Residence	5,411	1,123	6,534	1,516	0	1,516
		Sub Total	18,582,676	80,320	18,662,996	23,171	5	23,176
	Total		21,999,609	95,815	22,095,424	981,373	25	981,398
Outside Miyagi Prefecture	Aomori Prefecture		28,506	76,290	104,796	2,658	0	2,658
	Akita Prefecture		1,049	6,611	7,660	932	0	932
	Yamagata Prefecture		0	1,452	1,452	298	0	298
	Iwate Prefecture		10,012	18,159	28,171	934	0	934
	Fukushima Prefecture		990	25,887	26,877	362	0	362
	Niigata Prefecture		0	315	315	6	0	6
	Saitama Prefecture		660	1	661	739	0	739
	Ibaraki Prefecture		4,541	12,161	16,702	6,086	0	6,086
	Tochigi Prefecture		0	25	25	0	0	0
	Gifu Prefecture		0	666	666	424	0	424
	Total		45,758	141,567	187,325	12,439	0	12,439
Grand Total			22,045,367	237,382	22,282,749	993,812	25	993,837



# Major Research Projects

## World Premier International Research Center (WPI)

### WPI Advanced Institute for Materials Research (WPI-AIMR)

The Ministry of Education, Culture, Sports, Science and Technology (MEXT) launched the program of the World Premier International Research Center Initiative (WPI) in the spring of 2007. Our proposal on establishing WPI Advanced Institute for Materials Research (WPI-AIMR) was accepted as one of the five WPI Centers in our country, and WPI-AIMR commenced on October of 2007.

WPI-AIMR has assembled top-grade researchers, from the fields of materials science, physics, chemistry, precision mechanical engineering and electronic / informational engineering, in order to conduct interdisciplinary research which implements new innovative methods of atomic and molecular control which exceeds our existing ones. The Center is committed to pursue the creation of new materials and compounds, developing devices based upon a new fundamental paradigm; it also promotes the application of research projects with the new materials and system architecture which generates direct societal impacts; thus exhibiting qualities of becoming a world-leading international center of materials.

#### Materials Science

Develops of advanced non-equilibrium materials facilitated by enlarging, strengthening and activating the properties of metallic glasses through the control of atomic-cluster-assembled structure

#### Nanochemistry

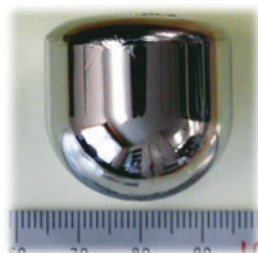
Develops new soft materials studied outside the field of existing hard materials. It includes organic-inorganic hybrid materials which possesses self-assembled molecular structures

#### Nanophysics

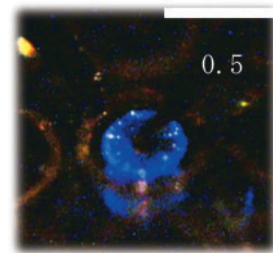
Develops the latest in world computational devices, conducts physical clarification of nanomaterials, and is an incubation area for new nanomaterial groups

#### Device / System

Develops multiple functional materials for Micro Electro Mechanical Systems, pursues new magnetic material, establishes advanced optical communication, produces high-quality LSI and all necessary needs for sustaining the 21 century's cybernation industry



Zr-based bulk metallic glasses (max. of 30mm diameters)



Ultraviolet Light Source, the first light source made with an ecological light material

## Research Programs

### Global Centers of Excellence Program (Global COE Program)

The "Global Centers of Excellence (COE) Program" was based upon and established by Japan's Ministry of Education, Culture, Sports, Science and Technology (MEXT) with results carried out on assessments and verifications of the FY2002, "21st Century COE Program." The program provides for funding support and for establishing educational and research centers which perform at the apex of global excellence, elevating international competitiveness of universities in Japan. The program is aimed to strengthen and enhance the educational and research functions of graduate schools. It is also to foster highly creative young researchers, those who become world leaders in their respective fields; through experience and practical research in the highest of world standards.

FY 2007

Program Leader	Research Fields	Program Title	Contents
<b>Life Sciences</b> Professor Noriko Osumi	Neuroscience	Basic & Translational Research Center for Global Brain Science	The mission of this center is to educate and produce academics that are capable of integrating brain sciences, solving the fundamental problems of life science and/or solving various problems of social base. To accomplish our mission, we shall promote new brain science fields within and out of Japan through our cooperative research programs: (1) "Genomic Behavioral Neuroscience," which covers the range from genes to the behavior of animals, (2) "Embodied Cognitive Neuroscience," as understood from the mutual operations of brain functions and the body, and (3) "Interdisciplinary Brain Science," which encompasses the range from environments surrounding people to the relationships among people. Moreover, we will provide outcome-oriented educational programs for the participating student to present achievements of individual goals in the fields of neurosciences. It will promote fostering of human resources in new disciplines from Japan; researchers in the fields such as brain imaging diagnostic, mathematical neuroscience, mental illness diagnostic treatment, and neuroeconomics, educators and welfare/care workers, the developers of new drugs and health care devices, and workers of health service, who can link the advancements of the neuroscience's and educating the society.
<b>Chemistry, Material Sciences</b> Professor Masahiko Yamaguchi	Chemistry	International Center of Research & Education for Molecular Complex Chemistry	The characteristic features of chemistry, in fields of natural science and technology, are its capability to adopt a bottom-up methodology regarding sizes of substances. This program is aimed at proposing various research studies, of larger molecular systems ranging from 10nm to 0.1mm, by establishing giant molecules and complex systems. The programs focus upon the study of three-dimensional and time-dependent functions of various molecular systems, and are called the research fields of "Molecular Complex Chemistry". Chemists who participate in this research field and along with this program will be involved in the next generation PhD education of chemists, who take the leadership in both national and international fields of advanced chemistry and their various related sciences.
<b>Chemistry, Material Sciences</b> Professor Takashi Goto	Materials Science	Materials Integration International Center of Education and Research	Materials science covers the infrastructure in every industry and without its development, our society cannot progress. Tohoku University has been leading in the position of materials science in the world. However in today's society, more global competition and collaboration in research and development are inevitably urged. The Global COE focuses on four of the following research fields: (A) infrastructural and bio-materials, (B) electronic materials, (C) energy and environment-related materials, and (D) those of basic materials science. It also carries out educational activities on the basis of the materials integration concepts (creation of fields for interdisciplinary research collaboration in materials science). This education strengthens to foster international young researchers with a multilateral viewpoint which forms the next generation of researchers. We aim to innovate new functions and materials, and to develop new materials science.
<b>Information, Electrical and Electronic Sciences</b> Professor Fumiyouki Adachi	Electrical and Electronic Engineering	Center of Education and Research for Information Electronics Systems	With the idea that education and research are equally important disciplines, this center aims to foster young researchers who have a broad outlook, can create innovative science and technology, and conduct ground-breaking world-class research in wide ranging areas from basic science and technology to system applications. We will also conduct a wide range of collaborative NT/IT research from devices to information systems for realization of a global network for human-centric communications.
<b>Interdisciplinary, Combined Fields, New Disciplines</b> Professor Takami Yamaguchi	Biomedical Engineering	Global Nano-Biomedical Engineering Network Center	As is widely recognized, nano-biomedical engineering is the major key to 21st century civilization of the world. Tohoku University Global COE program, "Global Nano-Biomedical Engineering Network Center" aims at organizing nano-biomedical engineering activities within the East Asia and Pacific Rim countries. This is not literally restricted to those areas but our intention is to start to organize the most active institutions in the hope that eventually worldwide collaboration will be implemented on the most rapidly growing area of the globe not only in terms of economics but also science and engineering. In order to maintain that infrastructure and growth, our country and partner countries need to encourage our younger scientists and engineers to participate in a global environment. This will clearly help in the continued well-being of the nation's and international health and economy.

Total: 5 programs

## Research Programs

### FY 2008

Program Leader	Research Fields	Program Title	Contents
<b>Medicine</b> Professor Yoshitomo Oka	Internal Medicine · Diabetes and Metabolism	Global COE for Conquest of Signal Transduction Diseases with "Network Medicine"	Signals function in a network rather than in a cascade, and that human homeostasis is maintained by networks. We therefore elucidate networks in multiple levels encompassing molecules to organs, even in interactions with environment. We will further integrate these multilayered networks in time and space, and develop innovative medicine, a new way of understanding health and diseases, which is referred to as "Network Medicine". We will strive to bring up young scientists who have broad perspective and to go beyond existing frameworks with a pioneer spirit.
<b>Mathematics, Physics, and Earth Sciences</b> Professor Kunio Inoue	Physics	Weaving Science Web beyond Particle Matter Hierarchy	Based on the experiences of propelling international cutting-edge researches in wide range of hierarchies in the universe, this program attaches great importance to weaving interconnections among the hierarchies with the common language, mathematics, which we call "Science Web". We strongly develop new science fields under the Science Web and also extend our interests to the fields in between the hierarchy such as chemistry, biology and geoscience. We ultimately aim at understanding the entire particle matter hierarchy and a cooperation with Philosophy will bring a wider view necessary toward the goal. These active collaboration and development are used to nature talented students. Students grown with the education will create a new academic culture and contribute to a social innovation.
<b>Mathematics, Physics, and Earth Sciences</b> Professor Eiji Ohtani	Earth and Planetary Science	Global Education and Research Center for Earth and Planetary Dynamics	Tohoku University has conducted globally recognized research into the Earth and planetary science. It has many faculty members whose research interests cover a great variety of topics within these fields. In our Global COE program, we will focus on research targets in Earth and planetary dynamics and Earth environmental change through a combination of multiple disciplines. The Global COE program aims to build upon the achievements of the 21st Century COE program (2003-2007), and to advance further our knowledge in the critical areas of Earth and planetary dynamics and Earth environmental change.
<b>Mechanical, civil engineering, architectural and other fields of engineering</b> Professor Shigenao Maruyama	General Engineering	World Center of Education and Research for Transdisciplinary Flow Dynamics	The objectives of the Global COE is to establish a world center of education and research for flow dynamics that will create unique research activities and attract and educate talented students who meet the global standard. In order to establish the world center, we will develop new fields of trans-disciplinary flow dynamics. The concept includes the integrations of different academic fields, countries, and cultures. Furthermore, we aim to train young researcher and PhD candidates that contribute to the world community of flow dynamics by developing global perspectives and academic abilities to transcend the global standard.
<b>Social Sciences</b> Professor Yoshimichi Sato	Sociology	Center for the Study of Social Stratification and Inequality	The COE is designed to expand education and research on social stratification, inequality, and disparity internationally based both on the outcomes of the Center for the Study of Social Stratification and Inequality, which was formed by the 21st Century Center of Excellence Program, and on the Social Stratification and Social Mobility Research Project. The COE will archive four research objectives through multi-disciplinary approaches: (1) Developing exact measures of disparity; (2) Analyzing social mechanism that produces disparity; (3) Advancing the study of the effect of disparity; and (4) Making policy recommendations to reduce disparity. The COE will cultivate young, creative scholars who are competitive in the world.
<b>Social Sciences</b> Professor Miyoko Tsujimura	Law and Politics	Gender Equality and Multicultural Conviviality in the Age of Globalization	Our Global COE Program aims to establish a world-class network for education and research on the theme: "Gender Equality and Multicultural Conviviality in the Age of Globalization". Mobilizing an inter-disciplinary approach to social sciences, the strategic orientation of this Program is on public policies and policy-development, thus enabling us to build upon the substantial contributions and fruits of its predecessor, the 21st century COE program "The Law and Policy of Gender Equal Society". Furthermore, in cooperation with the Institute of Social Sciences, University of Tokyo, and other research centers abroad, it aims to nurture the careers of emerging researchers, lawyers and policy-makers through exposure to international and interdisciplinary perspectives on the contemporary challenges of gender equality and multicultural conviviality.
<b>Interdisciplinary, combined fields, new disciplines</b> Tohru Nakashizuka	Environmental Science	Center for ecosystem management adapting to global change	We propose a new research domain consisting of the ecosystem principle, ecosystem technology and socio-economic system for the adaptation of ecosystems to the unavoidable global environmental change. We plan to train not only a highly specialized scientists but also Professional Ecosystem Managers with specialized knowledge and skills to plan and manage ecosystems. We will also establish three scientific field centers for the interdisciplinary collaboration and education, and a consortium among environmental organizations for the collaboration in researches, education and outreach.

Total: 7 programs

### The 21st Century Centers of Excellence Program (COE Program)

The COE Program is a new project introduced in 2002 by Japan's Ministry of Education, Culture, Sports, Science and Technology. It's aimed to promote establishment of the world's top-class universities renowned for their vitality and level of international competitiveness in Japan. At this end, in order to enhance educational and research standards in this country and to foster creative leadership for the international academic community, the COE Program facilitates the development of a competitive academic environment, and supports the establishment of international research and educational centers in all fields of study.

### FY 2004

Program Leader	Research Fields	Program Title	Contents
<b>Innovative Academic Field</b> Professor Yutaka Imai	Clinical Pharmacology and Therapeutics	Comprehensive Research and Education Center for Planning of Drug Development and Clinical Evaluation	For a certain drug to become useful in the health and welfare of mankind, it must pass through various processes, starting from the fundamental science of drug development to clinical application in humans. In particular, a drug in the clinical application requires the accumulations and integration of knowledge and experience covering the ethics and economics in addition to its medical and pharmaceutical values. This center fosters professionals with knowledge and experience, and the aims for establishing an academic research organization capable of proposing ideas for clinical development of drug and management for drug development and evaluation.

Total: 1 program

## Research Programs

### Special Coordination Funds for Promoting Science and Technology

This is a Special Coordination Fund which is based upon the strategies of Council for Science and Technology Policy. The Funds are established for and initiate the Promotion of Science and Technology; they are used in coordinating the Comprehensive Areas which arise on the Key issues of Science and Technology. Selected programs, which utilize this Promotion Fund, show and produce results of high effectiveness by government-led supports. These Programs are A) original and novel efforts found in policies of Offices and Ministries, B) in boundaries areas, having difficulty in proactive approaches in terms of Departmental Policies within existing organizations, C) expected to generate synergy effects, in cooperation with different organizations, D) for rapid and flexible actions, etc.

#### FY 2006

Program	Our Designated Program Title	Contents
Independent Research Environment Promotion Program for Young Scientists	Program for Exploring Advanced Interdisciplinary Frontiers	This program aims to train researchers with the ability to conduct world-class research in cutting-edge fields in the competitive global environment.
Supporting Activities for Female Researchers	Tohoku Women's Hurdling Project	Aims to support women in overcoming hurdles in their career paths as female scientists.
Creation of Innovation Centers for Advanced Interdisciplinary Research Areas	Nano/Micro Fabrication and IT-Converging Area	This program aims are to create future, next-generation industrial technology, industrial collaborations from the integration of technology in diverse areas of research, concentrating upon MEMS technology that leads establishment of an Innovation Center for Comprehensive manufacturing named "R&D Center of Excellence for Integrated Microsystems."

Total: 3 programs

#### FY 2007

Program	Our Designated Program Title	Contents
Creation of Innovation Centers for Advanced Interdisciplinary Research Areas	R & D Center of Excellence for Integrated Microsystems	By integrating machinery, electronics, materials, chemistry, optics, biotechnology, medical science, etc, with its core on an integrative micro-system, the program aims to create an innovative production headquarter for the next century, in addition to establishing a research development system and a new industrial-academic collaboration model for the innovation.

Total: 1 program

## Education Programs

Tohoku University promotes the following educational programs with support from the Ministry of Education, Culture, Sports, Science and Technology (MEXT).

### Support Program for Distinctive University Education

MEXT has since 2003, implemented the Support Program for Distinctive University Education to review the efforts of universities and junior colleges in Japan. They select the most outstanding and distinctive programs which contribute to the improvement of education and encourage their initiatives for the improvement of higher education by providing information to the society at large.

Year	Program	Contents
FY2005 - FY2008	Nurturing Natural Understanding and Logical Thinking through Interdisciplinary Scientific Experiments	Aimed to design and conduct "interdisciplinary scientific experiments" on a completely new base of thinking whereby "people can approach the same conclusion experimentally from different angles and learn to logically analyze and describe complex natural phenomena," in contrast to traditional approaches that separate science into physics, chemistry, biology, geology, etc.
FY2006 - FY2008	Small-sized Classes in Research Universities: Aiming for "Transformation of Learning"	"Basic Seminar" is the starting point in "Learning at a University" for our students who pick subjects for research, presentation and discussion. The seminar averages 15 undergraduate students from across our faculties which is managed and supported by the university; class content is in various areas such as experiment, practical training, investigation, seminar camp, etc.

### Support Program for Professional Graduate School Formation

The aim of the professional graduate school is to nurture professional people, those who are in high demand of in society, such as attorneys and teachers. The program supports and enhances pedagogy; the methods and teaching contents provided at the professional graduate school reinforce this system.

Year	Program	Contents
FY2007 - FY2008	Construction of a psychological and practical legal education program	This program aims to integrate and systematize psychological analysis and legal practices, and established "Psychological Jurisprudence" which used to be divided into civil, criminal, and administrative litigation. It also aims to formulate a systematic pedagogical method and teaching content on psychological jurisprudential analysis based upon a graduate school curriculum, especially those which focus upon basic practicality.

### Cancer Professional Training Plan

This program aids in fostering medical professionals who specialize in the field of cancer; high in intelligence and skills; those who become carcinoma doctors, etc.

Year	Program	Contents
FY2007 - FY2011	Tohoku Cancer Professional Cultivation Plan	In order to enhance cancer treatment, the plan introduces holistic educational programs which trains the potential cancer specialists high in knowledge and skills; it also assists those with abilities to pursue and promote practical research, both academically and holistically, and also to attain a medical license.

## Education Programs

### Support Program for Improving Graduate School Education

This program supports the organizations of educational systems at the graduate school level; it has established in order to nurture high quality professionals who are adaptable in various fields of our society.

Year	Program	Contents
FY2007 - FY2009	Program for cultivating practice-oriented education professionals	The program trains students to acquire practical teaching skills which meet the standards of higher quality school education. It aims to cultivate top-level professionals and researchers through educational research programs which combine theory and practice; the program wins the support of Tohoku University, with principal relationship in the Graduate School of Education.
FY2007 - FY2009	Cultivation of advanced scientists aiming at the practice and application of science	Based upon the educational approaches, the Graduate School of Science cultivates young and leading science researchers in science with high professionalism and internationalism; the program aims to cultivate "advanced scientists for practicing and applying academic science" (frontier scientists), who are flexible to able work in new academic fields with high skills in practicality and adaptability, in environment where technical innovation shows the most rapid diverse changes.
FY2007 - FY2009	Substantiality of graduate school of medicine education with multiple layers and bidirectionality - Renaissance plan for cultivating physician-scientists who play leading roles	The program aims to foster students to be autonomous and cooperative through research activities, and to attain a post-graduate (medical) degree by implementing the "multi-teacher instruction system." The goal of this program is to produce "physicians-scientists who play leading roles" in society having exceptional intelligence with experience both internationality and academically.
FY2007 - FY2009	Creation of frontier technology in mechanical engineering - Innovation for system integration based on flight, robotics, and nano-technology	This graduate education program provides an extensive curriculum for innovative engineers through the project-based, hands-on experiences on broad research topics of mechanical engineering, highlighted by flight, robotics, and nano-technology. It aims to foster creative and experienced graduates to be recognized in the international society, industries, and academic communities. Two new courses: "Project-Based Learning for Frontier of Mechanical Engineering" and "Innovation Oriented Seminar on Mechanical Engineering" are offered as a core of this advanced education program.
FY2007 - FY2009	Education program for Biomedical and Nano-Electronics, Tohoku University	By teaching and training the electronic major students systematically in biology and medicine, the program aims to cultivate those who can apply and expand their knowledge of electronic technology into the field of biology and medicine; an important academic field of welfare for the 21st century.
FY2007 - FY2009	Graduate Program on Frontier Environmental Studies-Develop basic skills and research capabilities by striking a good balance between multi-disciplinary subjects such as science, engineering, human and social studies-	In Masters and Doctoral programs, the social and cultural studies' students will be offered with subjects on ecology, energy, recycling and other environmental techniques along with environmental risk assessment, international environmental economics, emission trading, and Asian economies. A distinctive feature of this program is 'eco-practice', a compulsory subject through which students expose themselves to international environmental problems and carry out feasibility studies of solutions available in developed countries.

### Program to Support Medical Education Corresponding to Community Health Care Needs and Other Social Needs

This program supports efforts by university hospitals to cultivate medical professionals who will be responsible for holistic medical care, etc., by developing medical education based of community health care needs and other social needs.

Year	Program	Contents
FY2006 - FY2008	General Perinatal Practitioner Training Plan	This plans takes place during a 3-year doctoral program and aims to nurture the perinatal practitioner through across department (obstetrics, anesthesia, and NICU) clinical training, it is for establishing a high level of perinatal skills and takes place mostly at the Tohoku University Hospital.

### Advanced Internship Program for Graduate Students

Under this plan, students who already possess a certain level of expertise, are publicly solicited and implemented in joint projects between universities and corporations. They target on developing and carrying out programs centered on "hands-on" training within the industry and nurture professionals who can play a central role in a variety of research fields and business activities.

Year	Program	Contents
FY2005 - FY2009	Promotion of Graduate Students Internship Project - Green Steel Creation Program -	The advance internship program for graduate students by MEXT entrusts academic and industrial entities to create and implement together good long term internship program for graduate students using practical environments in businesses and workplaces. This program aims at constructing a system for developing human resources by which academic and industrial entities can cooperate with each other in a constructive manner and which fosters highly educated experts who understand various problems in society and approaches in the industry, and have an interest in society, through effective management of joint research.

### Program for Innovation and Productivity Improvement in Service Industries at the Graduate School of Economics and Management

This program aims to develop managers who administer service innovations and keep a high performance. The Graduate School of Economics and Management prepares an educational course taking in the knowledge from mathematics, statistics, and management based on evidences supported by MEXT.

Year	Program	Contents
FY2007 - FY2009	Program for Innovation and Productivity Improvement in Service Industries at the Graduate School of Economics and Management	The Graduate School of Economics and Management prepares an educational course taking in the knowledge from mathematics, statistics, and management based on evidences supported by MEXT.

### Science and Mathematics Students Support Project

In order to cultivate potential science technologists, the project has been entrusted to the university's science department by the Ministry of Education, Culture, Sports, Science and Technology; to establish and to facilitate ability and knowledge of highly motivated students in the field of science and mathematics.

Year	Program	Contents
FY2008 - FY2011	Advanced mathematics and physics for special education project	The program aims to educate students with special knowledge in science and mathematics, and from at an early stage, provides special education for small groups specialized in mathematics or physics; preparing them for further study in the graduate program.

### Distinctive University Education Assistance Programs

This is an extra-curricular course for undergraduate and graduate students aimed at enhancing practical English communication skills.

Year	Program	Contents
FY2005 -	Practical English Course	This course, taught by native instructors, will help students further develop English communicative abilities required in academic and social situations through activities including discussions and oral presentations.



## Endowed Chairs and Research Divisions

Endowed chairs and research divisions were established to facilitate and enhance the research and education at Tohoku University through contributions from businesses and other entities. Endowed chairs were organized at the graduate schools and endowed research divisions were organized at the research institutes as listed below.

### Endowed Chairs

Year	Graduate School	Chair	Duration
FY 2008 (Continued)	Graduate School of Pharmaceutical Science	Department of Planning for Drug Development and Clinical Evaluation	01/04/08-31/03/13
FY 2008	Graduate School of Medicine	Department of Advanced Preventive Medicine for Infectious Disease	01/04/08-31/03/11
FY 2008	Graduate School of Medicine	Division of Nano-Medical Science	01/04/08-31/03/11
FY 2008	Graduate School of Environmental Studies	Energy Security (JAPEX)	01/04/08-30/09/11
FY 2008	Graduate School of Environmental Studies	Control of Environmental Materials (DOWA Holdings)	01/04/08-31/3/11
FY 2008 (Continued)	Graduate School of Engineering	Laboratory of Combinatorial Computational Chemistry	01/04/08-31/03/11
FY 2008	Graduate School of Dentistry	Oral Health Care Promotion	01/04/08-31/03/11
FY 2008 (Continued)	Graduate School of Dentistry	Applied Dental Pharmacology	01/04/08-31/03/10
FY 2008	Graduate School of Economics and Management	Regional Economy and Banking (The 77 Bank)	01/04/08-31/03/10
FY 2007	Graduate School of Medicine	Department of Evidence-based Cardiovascular Medicine	01/10/07-30/09/12
FY 2007	Graduate School of Medicine	Department of Multiple Sclerosis Therapeutics	01/05/07-30/4/10
FY 2007	Graduate School of Engineering	Advanced Applied Quantum Optics	01/04/07-31/03/10
FY 2007 (Continued)	Graduate School of Medicine	Hematopathology	01/04/07-31/03/09
FY 2006	Graduate School of Economics and Management	Japanese SME Policy (Organization for Small & Medium Enterprises and Regional Innovation, JAPAN (SMRJ))	15/09/06-14/09/08
FY 2006 (Continued)	Graduate School of Medicine	Geriatric and Complementary Medicine (Tsumura), Center for Asian Traditional Medicine Research	01/10/06-30/09/09
FY 2006	Graduate School of Medicine	Innovative Cardiovascular Medicine	01/10/06-30/09/09
FY 2006 (Continued)	Graduate School of Medicine	Advanced Biological Sciences for Regeneration (Kotobiken Medical Laboratories)	01/06/06-31/05/09
FY 2006	Graduate School of Science	Laboratory of Molecular Transformation (Sanalloy Industry Co., Ltd.)	01/04/06-31/03/09
FY 2006 (Continued)	Graduate School of Engineering	Advanced Power Engineering (Tohoku Electric Power Co., Inc.)	01/04/06-31/03/09
FY 2006 (Continued)	Graduate School of Agricultural Science	Laboratory of Terahertz Bioengineering (Takemoto Oil & Fat, Co., Ltd; Mizkan Co., Ltd.)	01/04/06-31/03/09
FY 2006	Graduate School of Information Sciences	Advanced Information Exchange Technology (KDDI Corporation)	01/04/06-31/03/09
FY 2005	Graduate School of Medicine	Department of Geriatric Behavioral Neurology	01/11/05-31/10/08
FY 2005	Graduate School of Medicine	Research Division of Dialysis and Chronic Kidney Disease (Astellas Pharma Inc.)	01/04/05-31/03/10

### Endowed Research Divisions

Year	Institute / Center	Research Division	Duration
FY 2008	Innovation of New Biomedical Engineering Center	Department of Neuro Imaging Research (Sumitomo Electric Industries, Ltd.)	01/05/08-30/04/11
FY 2008	Innovation of New Biomedical Engineering Center	Department of Life Style Medicine	01/08/08-31/07/11
FY 2008	Graduate School of Engineering	Division of Maintenance and Reliability Assessment Technologies for High-Speed Railway Systems (East Japan Railway Company)	01/04/08-31/03/11
FY 2008 (Continued)	New Industry Creation Hatchery Center	Research Department of Future Life Particle Interaction Engineering Creation	01/04/08-31/03/11
FY 2008 (Continued)	New Industry Creation Hatchery Center	Research Department of Future Information Industry Creation	01/04/08-31/03/12
FY 2008	Institute of Development, Aging and Cancer	Cognitive Neuroscience (Kumon Educational Japan Co. Ltd.)	01/04/08-31/03/11
FY 2008	Institute of Fluid Science	Shock Wave Interdisciplinary Application Division	01/04/08-31/03/11
FY 2007	Institute of Multidisciplinary Research for Advanced Materials	Nitride Crystal	01/04/07-31/03/10
FY 2007 (Continued)	Graduate School of Engineering	Division of Advanced Electric Power Technologies (Tohoku Electric Power Co., Inc.)	01/04/07-31/03/10
FY 2007 (Continued)	Institute for Materials Research	Nano-Metallurgy for High Temperature Materials	01/04/07-31/03/10
FY 2007	Institute of Development, Aging and Cancer	Division of Anti-Infective Agents	01/04/07-31/03/10
FY 2006	Institute of Multidisciplinary Research for Advanced Materials	Advanced Piezoelectric Ceramics	01/01/07-31/12/09
FY 2006	Center for Interdisciplinary Research	Laboratory for Development of Fundamental Technology for GaN-based Devices	01/04/06-31/03/09
FY 2006	Institute of Multidisciplinary Research for Advanced Materials	Division of Organic Nanocrystal Science and Technology	01/04/06-31/03/09

## Cooperation with Industry

### Joint Research Projects with Industry

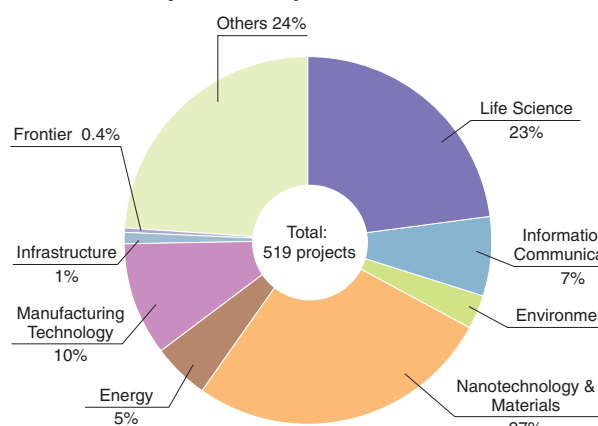
Fiscal Year	No. of Projects	Amount of Money (Unit: million yen)
2003	284	1,129
2004	392	1,675
2005	479	1,827
2006	519	2,028
2007	698	2,086

### Commissioned Research

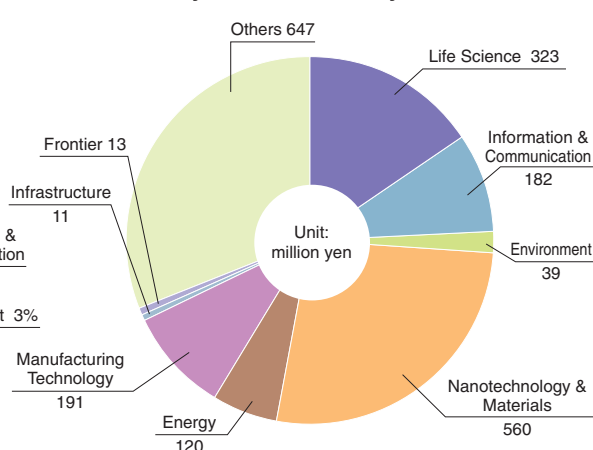
Fiscal Year	No. of Projects	Amount of Money (Unit: million yen)
2003	373	3,450
2004	456	6,149
2005	483	7,358
2006	591	7,927
2007	554	9,101

### Joint Research Projects with Industry (FY 2007)

#### 〈Breakdown by No. of Projects〉



#### 〈Breakdown by Amount of Money〉



### Organizational Cooperation

Tohoku University's organizational cooperation works together whenever possible with private companies and institutes in all areas of mutual cooperation. It promotes practical and systematic cooperation such as in the field of research and development, in human resource management, and taking on the responsibilities towards society.

Agreement Concluded	Private Company / Institute	Objective
Jan. 19, 2006	Hitachi, Ltd.	Collaborative research and mutual exchange in the field of electricity, information, materials and mechanics
Jan. 31, 2006	National Institute of Advanced Industrial Science and Technology (AIST)	Collaborative research in the field of environment, materials, information and telecommunication, and electronics, etc.
Feb. 21, 2006	National Institute of Radiological Sciences	Training professionals in advanced specialties of molecule imaging research PET (positron emission tomography)
Jul. 27, 2006	Seiko Epson Corporation	Promotion of collaborative research, mutual exchange of researchers, education and development of human resources, and international student assistance for the advancement of international exchange
Dec. 26, 2006	Kahoku Shimpō Publishing Co.	Both parties, the educational and research functions of Tohoku University and the news coverage and information service functions of Kahoku Shimpō join effectively and efficiently in the areas of research and investigation, event co-sponsorship and collaboration, human resource development, etc.
Jan. 31, 2007	77 Bank, Ltd.	Support and perform informative exchange of Tohoku University Based Start-up, matching coordinates between Tohoku University's seeds and regional companies, technical advice, and human exchange
Mar. 6, 2007	DOWA Holdings Co., Ltd.	Promotes joint research, mutual exchange of researchers, foster young researchers, and establishes mutual use of research institutes and facilities
Aug. 3, 2007	Japan Aerospace Exploration Agency (JAXA)	To develop collaborative research and to promote education of scientists through interdisciplinary studies of cosmic and aeronautic science to include various fields such as bioscience

### Tohoku University, Industry-University-Government Cooperation Policy

Tohoku University has been committed to the "Research First" principle and the "Open-Door" policy since its date of foundation, and has been internationally recognised for its outstanding standards in the field of education and research. The university contributes to the peace and prosperity of human society by devoting itself to research useful in the solutions of societal problems and for the education of human resources in the capacities of leadership.

The university aims to become a "World-class university" which contributes to human society by applying the knowledge it has been accumulated over the past century, and by devoting itself to continuous research and education for the next century.

Under the plan of "Being an open university to the world and region," the university contributes to the development of human society through its collective strength, and its human and intellectual resources, and by collaborating with our region and international society. The Industry-University-Government cooperation is our core to social contribution; it is the third mission of the university followed by education and research, and is one important means of delivering the benefits of knowledge to society. The university is actively committed to Industry-University-Government cooperation on the basis of the "Industry-University-Government Cooperation Policy" and is as follows:

1. Increases the added social value of University research and education by actively transferring their scientific and technological achievements to industry and to other sectors, steadfast upon the University's founding principles of "Research First" and "Practical-Oriented Research and Education".
2. Promotes technology transfer and collaborative research, as well as research generating world-leading technological innovation, as an international Industry-University-Government cooperative activity.
3. Aims to be a driving force for regional innovation by promoting continuous Industry-University-Government cooperation to solve regional problems, and contributing to development of Japanese economy and society
4. Conducts an Industry-University-Government cooperative activity with international perspectives by establishing an organization within the university for promoting Industry-University-Government cooperation and by collaborating with related international and domestic organizations on the basis for orchestrating our university's resources
5. As fundamentals for the promotion of Industry-University-Government cooperation, achieves social accountability through ensuring transparency and compliance with international and domestic statutes, and international treaties and arrangements

## Intellectual Properties

In order to utilize technology effectively in society, Tohoku University actively promotes academic-industrial alliances in collaboration with Tohoku Technoarch Co., Ltd. established in 1998, which is a Technology Licensing Organization (TLO) and aims to assist patents and technology transfer activities owned by academic researchers in the Tohoku District. After April 2004, all the national universities in Japan became incorporated bodies, and the attribution from intellectual properties became that of the universities. The University then adopted the following policy for royalty distribution: 30% (higher limit) to the inventor; 30% to a University account for the inventor to support his/her research; and 40% to the University Administration. Up to the present, Tohoku University has obtained 149 national patents and 44 international patents including 20 US patents, and its royalty income is increasing year by year. The latest statistics on intellectual properties at Tohoku University are as follows.

Intellectual Properties at Tohoku University (FY2007)	
National Applications Filed	387
International Applications Filed *	157
National Patents Awarded	22
International Patents Awarded	7
No. of Licenses & Options Yielding Royalty	32
Royalty Income (unit: thousand yen)	16,448

\* Tohoku University generally adopts the system of the Patent Cooperation Treaty (PCT), a 1970 international constitution for properties, to apply for its international applications.

## Cooperation with Community

### Science Café

The Science Café provides an opportunity for everyone, the high school students and others, to chat over a cup of coffee with the scientists; listen to them carry on about their studies, enjoy the fun in science and understand how it contributes to society.

Date	Theme
Apr. 20, 2006	Simultaneous Pursuit of Enrichment of Life and Environmental Preservation — Current Status and Future Perspective from the Viewpoint of Environmental Economics and Environmental Engineering
May 22, 2006	Let's Talk about Education Scientifically — Textbook and the Latest Education Trend
Jun. 30, 2006	Brain Forming Recipe, "Gene"
Jul. 21, 2006	Is Functional Food Delicious? — Securing and Development of Food Products in the Near Future
Aug. 25, 2006	Conversion to Earth-Friendly Energy — Challenges and Problems
Sep. 29, 2006	How Far Can We Reach into the Universe with Plasma Engine? — Plasma Science Leading to the Future
Oct. 27, 2006	Life and Machine Connected by Nanotechnology — Development of Biodevice
Nov. 17, 2006	True Meaning of T.E.A.M
Dec. 15, 2006	Mechanism of Mobile Phone — You Can Talk Anywhere
Jan. 26, 2007	Space Exploration with "Subaru" Telescope and Gravity Lens
Feb. 16, 2007	Robotics for Space Exploration — "Hayabusa" Asteroid Probe, Lunar Exploration Rovers, and Field Robots for Terrestrial Applications
Mar. 15, 2007	Science of Sleeping Plants and Carnivorous Plants — Chemistry of Mysterious Biological Phenomenon



Science Café

### Innovation Fair

Date	Contents	Venue
Oct. 5, 2007	Introduction and presentations were made of innovative and extraordinary research by the young researchers in the fields of nanotechnology/ materials, electrical communication, biomedical cooperation/ life science, robotics, environment/ energy, etc.	Sendai International Center

### Extension Courses

Tohoku University is constantly making efforts to play the leading roles in educational and academic activities in the Tohoku District. Meeting the community's needs, it provides extension courses and public lectures for lifelong learning of citizens. In FY 2007, the University organized 59 extension courses including on-demand high school classes and 2 public lectures which gained a high reputation from various academic fields. Tohoku University has continued these educational activities made understandable for the public to strengthen cooperation with community and for the purpose of disseminating information. As a result of these highly motivated activities, Tohoku University secures its position as a highly appraised university in society.

## Citations

Tohoku University ranks amongst the highest in quality of universities in the world. According to the ISI Thomson Corporation Database, Essential Science Indicators (ESI), investigates citations in scientific papers of the past 10 years and then ranks their data by fields, countries and institutions. The Database serves as an indicator of evaluation in research of each institution as well as listing the latest information on scientific research. The research findings of Tohoku University were highly evaluated in the international academic community and found to contribute to the global society in the various fields of science.

### Field Rankings for Tohoku University Sorted by Citations

(as of May 1, 2008)

National Ranking	International Ranking	Field	Papers	Citations	Citations Per Paper
1	3	Materials Science	5,346	32,172	6.02
2	9	Physics	10,391	109,999	10.59
4	15	Chemistry	6,038	65,749	10.89
2	40	Engineering	3,280	12,031	3.67
4	64	All Fields	39,739	372,175	9.37

Source: ISI Essential Science Indicators<sup>SM</sup>, January 1, 1998-February 29, 2008



# International Exchange

## ■ Principles of Strategy for International Exchange

The mission of Tohoku University is to search for truth and create and disseminate human knowledge, thereby contributing to the realization of a society where humanity can live in peace and dignity. More specifically, as an inclusive university, bringing together a collaborative and mutually stimulating mix of academic fields, our aims are to honor the wisdom of the world throughout history, identify current and future agendas for scholarship, share our knowledge and discoveries with the community and the world, and actively cultivate individuals with the desire and capability to contribute to humanity.

Throughout the last century, this university upheld three principles: “Research First,” “Open-Door,” and “Practice-Oriented Research and Education,” demonstrating that the members of this institution have been keenly aware that internationalization in research and education is an indispensable condition for achieving our mission and aims.

In August 2000, Tohoku University stated its intention of becoming a world-class research and educational institution through international exchanges. Subsequently, when Tohoku University became a legally independent institution in April 2004, it was decided that the highest priority would henceforth be granted to the “realization of internationally competitive research and education.” Furthermore, in November of 2004, Tohoku University declared that it is striving for global excellence under the slogan “Tohoku University, Creating Global Excellence (Tohoku University provides opportunities for world-class research and education)”

As evident from these statements, the promotion of international exchange has become increasingly pivotal to accomplishing the university’s mission and aims. Clearly required in the planning and carrying out of international exchanges are the strategies by which we can promote the above mission and goals. In keeping with this mission to foster both breadth and depth of strategic international exchange and collaboration, Tohoku University is committed to the following basic goals:

- 1) Promote research of the highest world standards through active participation in an international academic network.
- 2) Invite highly motivated, capable and talented individuals from all over the globe and cultivate international leaders who can contribute to the advancement of world development.
- 3) Communicate our accomplishments in education and research internationally and contribute them to the international community.
- 4) Strengthen the foundations of research and education and increase the university’s international recognition to support realization of the above three goals.

## ■ Activities for International Exchange

### AEARU: The Association of East Asian Research Universities

<http://www.aearu.org/>

The Association of East Asian Research Universities (AEARU) is a regional organization founded in January 1996, with the goals of forming a forum for the presidents of leading research-oriented universities in East Asia and of carrying out mutual exchanges between the major universities in the region. Expectations are that this regional union, on the basis of common academic and cultural backgrounds among the member universities, will contribute not only to the development of higher education and research but also to the opening up of a new era leading to cultural, economic and social progress in the East Asian region. AEARU activities include workshops, student summer camps, student physical competitions, and various types of international symposia. These activities are held throughout the year to promote mutual exchanges of ideas and information and to develop close bonds between the member universities.

AEARU is now composed of 17 universities from China (6), Japan (6), Korea (3), and Taiwan (2). Tohoku University joined AEARU in 1998 and has actively engaged in its activities as a member university.



## Activities for International Exchange



"Collaborations with Industry, City, and Public" AEARU International Symposium March 27, 2008

### T.I.M.E.: Top Industrial Managers for Europe

<https://www.time-association.org/>

T.I.M.E. was established in 1989 as an international network of leading higher educational institutions which specializes in engineering. Its door has opened for non-European institutions since 2005 and Tohoku University was accepted as the first Asian member together with Keio University in 2007.

It is now composed of 51 member institutions from 21 countries and its main focus is master-level Double Degree Programs and now has over 2,500 bilingual, bicultural engineer graduates. T.I.M.E. launches other innovative exchange programs through task forces formed by member institutions to foster internationally competitive engineers for tomorrow's world.

In July 2008, Tohoku University was selected for Support Program for International Cooperation and Collaboration - support for comprehensive strategy - by Ministry of Education, Culture, Sports, Science and Technology (MEXT), for unprecedented large-scaled exchange programs with T.I.M.E. member institutions.



Besides the activities above, Tohoku University actively promotes sending our students abroad as well as receiving international students, within the framework of international consortium such as GE3 (The Global Engineering Education Exchange; an exchange program administrated by Institute of International Education which is an independent nonprofit founded in 1919), and GE4 (Global Education for European Engineers and Entrepreneurs; a private association created in 1996).

### Double Degree Program with Overseas Institutions

As society becomes increasingly globalized, Tohoku University launches a double degree master's programs with elite institutes of higher education in France and China, to develop the next-generation of human resources, able to spearhead the 21<sup>st</sup> century. From fiscal 2006, the Écoles Centrale Group (composed of five Écoles Centrale [Lille, Lyon, Marseille, Nantes, Paris]) and the Institut National des Sciences Appliquées de Lyon (INSA-Lyon) become our program partners in France. All are grandes écoles, leading institutes which attract top students from France and other countries around the world, offering the finest in education. The partner in China is Tsinghua University, an institute of higher learning which is presently attracting much international attention. The Double Degree Programs of Tohoku University are in the undergraduate and graduate fields of science and engineering.

## Activities for International Exchange

### Global Operations Center

Global Operations Center (GOC) was established on June the 1<sup>st</sup> 2005, with the support of Japan's Ministry of Education, Culture, Sports, Science and Technology; to create a university-wide international strategy with the objective of exercising strategic international exchange. GOC, as a strategic headquarters, will achieve and advance a flexible strategic concept with world wide realization of internationally competitiveness in research and education, at Tohoku University, GOC will also serve as a coordinator and guide the university's promotion of (1) the internationalization of the composition in Tohoku University's student body and staff, (2) the internationalization of Tohoku University's research and education activities, and (3) reform Tohoku University's internal organization and activities in light of international standards.

The activities of GOC are listed below:

- 1) Development of Double Degree Programs with institutions of higher learning overseas
- 2) Consult, contact, and coordinate with universities, governmental agencies and related organizations in Japan and overseas
- 3) Participate in activities related to the preparation, organization and support of international conferences (held in Japan and overseas) symposiums, seminars and the like
- 4) Possess provisions of information in various languages via an Internet website
- 5) Hold training programs for administrative staff
- 6) Promote international collaborative projects between the academia and industry
- 7) Establish and support the international student alumni organizations and the creation of an international exchange database
- 8) Support the activities related to the operation of overseas facilities

## International Symposium

Date	Name	Description	Place
Dec. 11, 2007	Tohoku University 100 <sup>th</sup> Seminar "How to educate elite engineers in this globalizing and high-tech dominated era?"	In today's globalizing "high-tech" society, it becomes essential to promote elite engineers who are highly advanced in the knowledge of specified fields and possessed with outstanding talents in proper reform; those able to lead both organizations in the national and international societies. At the forum, prominent speakers of French and Japanese, in research, education, business, and the political circles including the academic staff of Tohoku University, Ecole Centrale de Lyon and INSA de Lyon gave brilliant and remarkable presentations on ideal image/model of elite engineers and the means to fostering them.	Tokyo, Japan
Dec. 13-14, 2007	The 4 <sup>th</sup> Lyon-Tohoku Engineering and Science Forum — Towards the Joint Laboratory—	In the Forum mentioned above, the three institutions: Tohoku University, Ecole Centrale de Lyon and INSA de Lyon exchanged updated data information and held active discussions on the development of a functional cooperative relations towards a joint laboratory in the following 5 fields: (1) Biosciences and Engineering, (2) Durability Reliability in Energy and Transportation, (3) Fabrication of Nano and Micro Scale Materials and Devices, (4) Fluid Dynamics and Heat Transfer and (5) Tribology.	Sendai, Japan
Jan. 12, 2008	Tohoku University Anniversary Beijing Seminar "New Era of ICT Technology"	In the Seminar held at Tsinghu University in Beijing, the academic staff from three institutions: the Graduate School of Information Sciences, Tohoku University; the Beijing University Posts and Telecommunications; and the Institute of Computing Technology, Chinese Academy of Sciences gave lectures on the "New Era of ICT Technology".	Beijing, China
Mar. 27, 2008	AEARU International Symposium "Collaborations with Industry, City, and Public"	Activities of the industry-academia-government cooperation at the universities included very important roles of energizing education and study/research; confronting the enhancement of international competitiveness at the universities as well as in returning the knowledge and wisdom of universities to society. However, in regards to active international industry-academia-government cooperation, we face various crucial concerns such as: insufficient experience (practical know-how), an ill-defined policy stance, shortage of professional human resources, the differences of approaches concerning intellectual property management and research agreement, an undeveloped legal framework, deficient transmission of information, etc. The AEARU Symposium aim is to exchange updated information on industry-academia-government in China, Taiwan and Japan; with the representatives from the industrial firm, universities and the government agents in the respective countries introducing and sharing their latest in organizational efforts.	Sendai, Japan



Agreement on Academic Exchange signed with Dalian University of Technology (June 16, 2007)



Agreement on Academic Exchange signed with Pusan National University (July 26, 2007)



Agreement on Academic Exchange signed with Institut Teknologi Bandung (June 4, 2008)

## Students Exchange Programs

### International Doctoral Program in Engineering, Information Sciences and Environmental Studies

This is a special course for international students who demonstrate outstanding scholastic ability. The program offers elective courses in English. (Participation is limited to 25 students, including 12 students who are awarded a Japanese Government Scholarship.)

<http://www.eng.tohoku.ac.jp/english/program/?menu=itn>

### International Graduate Program for Advanced Science (IGPAS)

This is an interdisciplinary program for international students studying towards Master's and Doctoral program at the Graduate School of Science, where research lectures and seminars are conducted in English. (Admission is limited to 20 students each for master's and doctoral programs, including 8 master's students with Japanese Government Scholarship and 2 doctoral students with scholarship and research subsidy by IARE.)

E-mail: [sci-sien@bureau.tohoku.ac.jp](mailto:sci-sien@bureau.tohoku.ac.jp)

<http://www.sci.tohoku.ac.jp/english/2nd/igpas.htm>

### Tohoku University Junior Year Program in English (JYPE)

#### Outline

The main purpose of this program is to offer international students an opportunity to take science, engineering, and education courses at Tohoku University, without having to attain proficiency in the Japanese language that would be necessary when taking the same courses in Japanese. All lectures are held in English and by standards for school credits of equivalent courses offered in Japanese.

The program also offers courses on the Japanese language, culture and society aimed at the promotion of understanding of Japan's language, and its social customs. Cultural and intellectual exchange with professors and students is an integral part of this program and will be accomplished through class work as well as participation in activities of research groups.

The one-year course commences on October 1<sup>st</sup> admitting approximately 30 students. Applicants are recommended to take the one-year course, since most classes are designed for one full year. However, some students are admitted to a 6-month course if requested.

<http://insc.tohoku.ac.jp/cms/>

### Japan-France Graduate Exchange Program

This is a student exchange program for students enrolled in a Japanese consortium formed by several participating universities including Tohoku University and those of a French consortium. Students are sent to study for one year, in other countries with the financial support offered by the Japan Student Services Organization.

### Renault Program

There are three scholarship programs awarded to exchange students by the Renault Fondation. These Programs are designed for enabling students to study the social and economic systems and cultures of Europe, concentrated on France.

#### MBA Dauphine-Sorbonne-Renault

The program's goal is to teach students to become fluent in corporate management techniques in a multicultural and multinational business environment, and to acquire management skills necessary for a higher level of corporate responsibility.

#### Master ParisTech Fondation Renault

The program's goal is to teach students to become able and to cope with responsibility by adapting to the context of sustainable development on projects. It also teaches to respect, main issues of transportation, namely those in intermodality, the interface between transportation systems, space and mobility, and the economic and social impact on the transportation sector.

#### Cycle Majors Renault

This program offers Japanese students the opportunity to visit France, for a one-year study on subjects of their choice, so long as it is connected with business professions. Each application will be examined to give full support and guidance to students for obtaining an appropriate type of training.

### Special Japanese Language Program for International Students and Scholars

This program is open to the international students and scholars at Tohoku University. It aims to improve the students' ability in Japanese and basic academic skills, and also helps them to adapt to their new living environments.

## Agreement on the University Level

### United Kingdom

Imperial College London  
The London School of Economics and Political Science, University of London  
The School of Oriental and African Studies, University of London  
\* The University of Nottingham  
The University of York

### France

\* Ecole Centrale de Lille  
\* Ecole Centrale de Lyon  
\* Ecole Centrale de Marseille (EGIM)  
\* Ecole Centrale de Nantes  
\* Ecole Centrale de Paris  
\* Ecole des Mines d'Albi-Carmaux  
\* Institut d'Etudes Politiques  
\* Institut National des Sciences Appliquées de Lyon  
\* Institut National Polytechnique de Grenoble  
\* The Global Education for European Engineers and Entrepreneurs  
\* Université Bordeaux 1  
\* Université Joseph Fourier  
\* Université Louis Pasteur  
\* Université Marc Bloch  
\* Université Pierre et Marie Curie (PARIS VI)  
\* Université Pierre Mendès France  
\* Université Rennes 1  
\* Université Rennes 2-Haute-Bretagne  
\* Université Robert Schumann  
\* Université Stendhal

### Italy

Università di Roma "La Sapienza"

### Morocco

\* Université Mohammed V-Agdal

### Ukraine

\* National Technical University of Ukraine "Kyiv Polytechnic Institute"

### Iran

\* University of Tehran

### Belgium

Belgian Nuclear Research Centre (SCK · CEN)

### Switzerland

\* The Swiss Federal Institute of Technology, Lausanne

### Germany

\* Darmstadt University of Technology  
\* Technische Universität Dresden  
\* Saarland University  
\* University of Dortmund  
\* University of Göttingen  
\* University of Technology Aachen

### Sweden

\* Chalmers University of Technology  
\* Lund University  
\* Royal Institute of Technology in Stockholm  
\* Umeå University  
\* Uppsala University  
\* Stockholm University

### Finland

\* Helsinki University of Technology  
\* University of Oulu  
\* Tampere University of Technology

### India

\* Indian Institute of Technology, Bombay

### Thailand

\* Asian Institute of Technology  
\* King Mongkut's Institute of Technology Ladkrabang  
\* Suranaree University of Technology

### Singapore

\* National University of Singapore

### Indonesia

\* Gadjah Mada University  
\* Institut Teknologi Bandung  
\* University of Indonesia





**Poland**

Institute of Catalysis and Surface Chemistry,  
Polish Academy of Sciences

**Russia**

- \* Moscow State University
- \* Novosibirsk State University
- Siberian Branch of the Russian Academy of Sciences

**Mongolia**

- \* The Mongolian Academy of Sciences
- \* Mongolian Technical University of Science and Technology

**Canada**

- \* University of Waterloo

**United States of America**

- \* Colorado School of Mines
- \* Pennsylvania State University
- \* Purdue University
- \* University of Alaska
- \* University of California, Berkeley
- \* University of California, Davis
- \* University of California, Irvine
- \* University of California, Los Angeles
- \* University of California, Merced
- \* University of California, Riverside
- \* University of California, San Diego
- \* University of California, San Francisco
- \* University of California, Santa Barbara
- \* University of California, Santa Cruz
- \* University of Washington

**China**

- \* Beihang University
- \* Chongqing University
- \* Dalian University of Technology
- \* East China Normal University
- \* Fudan University
- \* Huazhong University of Science and Technology
- \* Jilin University
- \* Lanzhou University
- \* Nanjing University
- \* Nanjing University of Aeronautics and Astronautics
- \* Northeastern University
- \* Ocean University of Qingdao (Ocean University of China)
- Peking University
- \* Qingdao University of Science & Technology
- \* Shaanxi University of Science & Technology
- \* Tianjin University
- \* Tongji University
- \* Tsinghua University, Beijing
- \* University of Science and Technology Beijing
- \* University of Science and Technology of China
- \* Wuhan University of Technology
- \* Xiamen University
- \* Xi'an Jiaotong University
- \* Yangzhou University
- \* Zhejiang University

**Korea**

- \* Changwon National University
- \* Chonbuk National University
- \* Chosun University
- \* Chung-Ang University
- \* Chungnam National University
- \* Dong-eui University
- \* Gwangju Institute of Science and Technology
- \* Kongju National University
- \* Korea Advanced Institute of Science and Technology (KAIST)
- \* Korea University
- \* Kyungpook National University
- \* Pohang University of Science and Technology
- \* Pukyong National University
- \* Pusan National University
- \* Seoul National University
- \* Sogang University
- \* Yeungnam University
- \* Yonsei University

**Taiwan**

- \* National Cheng Kung University
- \* National Chiao Tung University
- \* National Chung Cheng University
- \* National Taiwan University
- \* National Taiwan Ocean University

**New Zealand**

- \* The University of Auckland

**Australia**

- \* The Australian National University
- \* The University of New South Wales
- \* The University of Sydney

(\*) indicates institutions which agree upon to a mutual application, matriculation and tuition waivers for students from the partner institution.



Agreement on the Department Level

Departments	Areas	Countries and Regions	Institutions
Graduate School / Faculty of Arts and Letters (4)	Asia	Indonesia	Graduate Program, University of Indonesia
		Taiwan	College of Liberal Arts, National Sun Yat-sen University Institute of History and Philology, Academia Sinica
	Oceania	Australia	Faculty of Asian Studies, The Australian National University
Graduate School / Faculty of Education (5)	Asia	China	Center of Japanese Studies, Peking University
		Korea	College of Sciences in Education, Yonsei University Graduate School of Social Education, Myong Ji University
		U. K.	Institute of Education, University of London The Department of Educational Studies, The University of York
	Europe		
Graduate School / School of Law (7)	Asia	China	College of Social Sciences, Kookmin University Institute of Law, Chinese Academy of Social Sciences
	Central and South America	Brazil	Faculty of Law and LL.M. Program, Federal University of Rio Grande do Sul
	Europe	Germany	Juristischen Fakultät der Ruprecht-Karls Universität Heidelberg Juristischen Fakultät der Georg-August Universität Göttingen
		Italy	Facoltà di Giurisprudenza, Università degli Studi di Milano
		Poland	Faculty of Law, Maria Curie-Skłodowska University
Graduate School of Economics and Management / Faculty of Economics (9)	Asia	China	Center of Japanese Studies, Fudan University Institute of Japanese Studies, Chinese Academy of Social Sciences School of Accounting, Dongbei University of Finance and Economics School of Business, Renmin University of China
		Taiwan	School of Business, Soochow University
		Thailand	Thai-Nichi Institute of Technology
	Europe	France	Institut de Gestion de Rennes, Université de Rennes 1
		Germany	Institut für Sozialwissenschaftliche Forschung E. V. München
		U. K.	Faculty of Social Sciences, University of Leicester
Graduate School / School of Science (28)	Asia	China	College of Life Science and Technology, Jinan University College of Oceanography and Environmental Science, Xiamen University Lanzhou University Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences School of Environmental Sciences and Engineering, Sun Yat-Sen University Dalian University of Technology South China Sea Institute of Oceanology, Chinese Academy of Sciences
		Indonesia	Faculty of Fisheries and Marine Sciences, Diponegoro University
		Korea	Graduate School, Kongju National University Graduate School of Natural Sciences, Sungkyunkwan University National Fisheries Research and Development Institute
		Thailand	Faculty of Science, Chulalongkorn University Faculty of Economics, Chulalongkorn University School of Physics, Institute of Science, Suranaree University of Technology
		Vietnam	Hanoi University of Science, Vietnam National University, Hanoi
	Europe	Belgium	Faculty of Sciences, Université catholique de Louvain
		Denmark	University of Copenhagen
		France	Ecole normale supérieure de Lyon
		Germany	Faculty of Chemistry, Georg-August Universität Göttingen Faculty of Science, University of Heidelberg
		Netherlands	Faculty of Biology, Utrecht University
		Russia	Institute of Automation and Control Processes of Far-Eastern Branch of Russian Academy of Sciences V.I. Il'ichev Pacific Oceanological Institute, Far-Eastern Branch of Russian Academy of Sciences
		U. K.	School of Chemistry, Physics and Environmental Science, University of Sussex
		U. S. A.	University of Alaska Fairbanks University of Illinois at Chicago
	North America		
	Oceania	Australia	Faculty of Science, University of Melbourne
		New Zealand	Institute of Geological and Nuclear Sciences Limited
Graduate School / School of Medicine (14)	Asia	China	Beijing Hospital Chinese Medical University Harbin Medical University Hubei Medical University Shanghai Second Medical University Zhejiang Medical University
		Korea	College of Health and Welfare, Woosong University
		Philippines	San Lazaro Hospital
	Europe	Hungary	University Medical School of Debrecen
	North America	Canada	Faculty of Medicine, The University of Toronto Faculty of Medicine, University of Calgary Faculty of Medicine, University of Ottawa
		U. S. A.	School of Medicine, University of Washington
	Oceania	Australia	School of Nursing, Faculty of Health, Queensland University of Technology
Graduate School / School of Dentistry (7)	Asia	China	West China College of Stomatology Sichuan University
		Korea	College of Dentistry, Chonnam National University
	Europe	Finland	Institute of Dentistry, Faculty of Medicine, University of Oulu
		Sweden	Faculty of Odontology, University of Umeå
		U. K.	King's College London Dental Institute
	North America	Canada	Faculty of Dentistry, University of British Columbia
		U. S. A.	The Forsyth Institute
Graduate School of Pharmaceutical Sciences / Faculty of Pharmacy and Pharmaceutical Sciences (3)	Asia	Korea	College of Pharmacy, Chungbuk National University College of Pharmacy, Sungkyunkwan University
	Europe	Italy	Facoltà di Farmacia, Università degli Studi di Milano

(as of June 2008)

Departments	Areas	Countries and Regions	Institutions
Graduate School / School of Engineering (58)	Asia	China	College of Engineering, Chongqing University
			Engineering Department, Zhejiang University
			Graduate School, Dalian University of Technology
			Harbin Institute of Technology
			Northeast Institute of Technology (Northeastern University)
			Northwest Institute for Non-ferrous Metal Research
			Xidian University
			Institute of Chemistry the Chinese Academy of Sciences
		India	National Chemical Laboratory, Pune
		Indonesia	Indonesian Institute of Science
			Institute of Technology Bandung (ITB)
			Sepuluh Nopember Institute of Technology
		Korea	College of Engineering, Chonbuk National University
			College of Engineering, Chonnam National University
			College of Engineering, Chungnam National University
			College of Engineering, Kyungpook National University
			College of Engineering, Seoul National University
			College of Engineering, Yeungnam University
			College of Engineering, Yonsei University
			College of Engineering and Graduate School, Hanyang University
			National Fisheries University of Pusan (Pukyong National University)
		Philippines	Mindanao State University-Iligan Institute of Technology
		Taiwan	College of Science, National Changhua University of Education
		Thailand	Faculty of Engineering of Prince of Songkla University
			Sirindhorn International Institute of Technology, Thammasat University
			Thai-Nichi Institute of Technology
		Vietnam	Institute of Materials Science, Vietnamese Academy of Science and Thechnology
			Water Resources University
	Central and South America	Chile	University of Atacama
		Mexico	Instituto Politecnico Nacional (IPN)
	Europe	Czech	VSB-Technical University Ostrava
		Denmark	Technical University of Denmark
		France	Ecole National Supérieure d'Architecture de Montpellier
			Ecole Normale Supérieure d'Electronique, Informatique et Radiocommunications de Bordeaux
			Engineering School "French Institute for Advanced Mechanics" IFMA
			Institut National des Sciences Appliquées de Toulouse
			Université de Metz
			Université de Technologie de Troyes
		Germany	Faculty of Engineering Sciences, University of Erlangen-Nuremberg
			Faculty of Mechanical Engineering, Faculty of Mining, Metallurgy and Geosciences, RWTH Aachen
			Institute of Microsystems Technology, Freiburg University
			Technical University Hamburg-Harburg
		Russia	Institute of Microelectronics Technology and High Purity Materials, Russian Academy of Sciences
		Slovenia	Engineering Related Five Faculties, University of Ljubljana
		Sweden	Chalmers University of Technology
			Institute of Technology, Linköpings University
			Royal Institute of Technology in Stockholm
		Switzerland	Swiss Federal Institute of Technology at Lausanne
		U. K.	School of Mechanical Aerospace and Civil Engineering, The University of Manchester
	Middle and Near East	Iran	Engineering School, Shiraz University
	North America	Canada	Faculty of Engineering, University of Waterloo
		U. S. A.	Bioacoustics Research Laboratory, College of Engineering, University of Illinois
			College of Engineering, Georgia Institute of Technology
			College of Engineering, University of Washington
			College of Engineering, University of Wyoming
			Illinois Institute of Technology
	Oceania	Australia	Institute of International Education
Graduate School of Agricultural Science / Faculty of Agriculture (13)	Asia	Australia	Faculty of Engineering and Information Technology, Griffith University
			College of Animal Science and Technology, Yangzhou University
			Fisheries College, Ocean University of Qingdao
			Shanghai Fisheries University
			Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences
		Korea	College of Agriculture, Cheju National University
		Taiwan	College of Public Health and Nutrition, Taipei Medical University
		Thailand	Faculty of Agriculture, Kasetsart University
			Faculty of Fisheries, Kasetsart University
			Faculty of Science, Kasetsart University
	Europe	Hungary	Szent Istvan University
		Italy	Department of Experimental Medicine, University of L'Aquila
		Spain	Faculty of Agriculture, University of Vigo
		Sweden	Faculty of Agriculture, Landscape Planning and Horticulture / Faculty of Veterinary Medicine, Swedish University of Agricultural Sciences
Graduate School of International Cultural Studies (3)	Europe	France	UFR Langues, Université Rennes 2
		Kyrgyz	International University of Kyrgyzstan
		Uzbekistan	Tashkent State Economic University
Graduate School of Information Sciences (5)	Asia	Taiwan	College of Social Sciences, National Taipei University
		Tailand	Sirindhorn International Institute of Technology (SIIT) , Thammasat University
	Europe	Italy	Faculty of Engineering, University of Basilicata
			Volterra Center, The University of Rome "Tor Vergata"
		Poland	Institute of Mathematics, Wrocław University

\* Continued on page 57.

## Agreement on the Department Level (Continued)

Departments	Areas	Countries and Regions	Institutions
Graduate School of Life Science (4)	Asia	Korea	College of Agricultural and Life Science, Sunchon National University
		Thailand	School of Biotechnology, Institute of Agricultural Technology, Suranaree University of Technology
	Europe	Czech	Faculty of Science, Masaryk University
		Netherlands	Faculty of Biology, Utrecht University
Graduate School of Environmental Studies (4)	Asia	Indonesia	Institut Teknologi Bandung
		Korea	Gwangju Research Center, Korean Institute of Industrial Technology
	Europe	Germany	Leibniz Institute for Applied Geosciences
		Uzbekistan	Tashkent State Economic University
Graduate School of Educational Informatics Research Division (1)	Asia	Thailand	Faculty of Education, Chulalongkorn University
Institute for Materials Research (44)	Africa	Egypt	Assiut University
	Asia	China	Hong Kong University of Science and Technology
			Institute of Metal Research, Chinese Academy of Sciences
			Institute of Physics, Chinese Academy of Sciences
			Institute of Solid State Physics, Chinese Academy of Sciences
			School of Material Science and Engineering, Tianjin University
			School of Materials Science and Engineering, Beihang University
			School of Materials Science and Engineering, Dalian University of Technology
			Shanghai Institute of Ceramics, Chinese Academy of Sciences
			Tsinghua University
			Wuhan University of Technology
		Korea	Atomic Scale Surface Science Research, Yonsei University
			Ceramic Material Research Institute, Hanyang University
			College of Engineering, Inha University
			Department of Metals and Materials Engineering, Sunkyunkwan University
			Division of Materials Science and Engineering, College of Engineering, Korea University
			Electric Component Metals Design Education Center (EMDEC), Korea Advanced Institute of Science and Technology
			Institute for Basic Science, Changwon National University
			Institute for Materials Technology, Pusan National University
			Korean Institute of Science and Technology
			Research Center for Electronics Ceramics, Dong-eui University
			Research Institute of Industrial Science and Technology (RIST)
			Research Institute of Industrial Technology, Pusan National University
		Singapore	Singapore Institute of Manufacturing Technology
		Taiwan	College of Engineering, National Taiwan University
			Materials Research Laboratories, Industrial Technology Research Institute
	Europe	Belgium	Materials Research Department, SCK·ECEN
		France	Ecole des Mines de Saint-Etienne, Centre Matériaux et Structures
			Institute National Polytechnique de Lorraine
			Laboratoire de Physico-Chimie des Matériaux Luminescents, Université de Claude Bernard-Lyon I
			Laboratoire de Thermodynamique et Physico-Chimie Métallurgique, Institute National Polytechnique de Grenoble
		Germany	Institute for Microstructure Technology, Forschungszentrum Karlsruhe
			Institute für Metallphysik der George-August, Universität Göttingen
			Max-Planck Institute für Metallforschung
		Italy	Department of Physics, Pisa University
		Poland	Institute of Electronic Materials Technology, Poland
			Institute of Physics, Polish Academy of Sciences
			Institute of Vacuum Technology, Warsaw
		Russia	General Physics Institute, Russian Academy of Science
		Slovenia	Jozef Stefan Institute, Ljubljana
		U. K.	Department of Electronics, The University of York
	North America	U. S. A.	Division of Engineering and Applied Sciences, Harvard University
			Geballe Laboratory for Advanced Materials, Stanford University
			School of Engineering & Applied Science, University of Pennsylvania
Institute of Development, Aging and Cancer (5)	Asia	China	The Liaoning Center Hospital and The Liaoning Center Institute
	Central and South America	Cuba	Cuban Neuroscience Center
	Europe	Czech	Faculty of Medicine, Masaryk University
		Russia	Smolensk State Medical Academy
Institute of Fluid Science (23)	North America	U. S. A.	The Biocoustics Research Laboratory, College of Engineering, University of Illinois
	Asia	China	College of Mechanical and Electrical Engineering, Nanjing University of Aeronautics and Astronautics
			Department of Hydraulic and Hydropower Engineering, Tsinghua University
			Institute of Physics, Chinese Academy of Sciences
			The Institute of Theoretical Physics, Chinese Academy of Sciences
		Korea	College of Engineering, Korea Advanced Institute of Science and Technology
			College of Engineering, Sungkyunkwan University
		Singapore	Faculty of Engineering, National University of Singapore
			School of Mechanical and Production, Engineering, Nanyang Technological University
		Taiwan	National Nano Device Laboratories, National Applied Research Laboratories

(as of June 2007)

Departments	Areas	Countries and Regions	Institutions
Institute of Fluid Science (23)	Europe	Czech	Institute of Plasma Physics, Academy of Sciences of the Czech Republic
		France	Institut National des Sciences Appliquées de Lyon
		Germany	Institute of Fluid Mechanics, University of Karlsruhe
		Greece	School of Mechanical Engineering, National Technical University of Athens
		Hungary	Faculty of Chemical Engineering, Budapest University of Technology and Economics
			Research Institute for Technical Physics and Materials Science of the Hungarian Academy of Sciences
		Italy	Faculty of Engineering, University of Trieste
		Romania	Faculty of Electrical Engineering "Polytechnica" University of Bucharest
		Russia	Institute of Theoretical and Applied Mechanics, Russian Academy of Science
			Power Mechanical Engineering Faculty Moscow Power Engineering Institute Technical University
		U. K.	College of Aeronautics, Cranfield Institute of Technology
	North America	Canada	Institute for Aerospace Studies, University of Toronto
		U. S. A.	College of Engineering, Syracuse University
Research Institute of Electrical Communication (14)	Oceania	Australia	Faculty of Engineering, University of New South Wales
	Asia	China	Department of Computer Science and Engineering, School of Computer Science and Electrical Engineering, Harbin Institute of Technology
			Nanjing University
			Scientific Research Department, Shenzhen University
			Institute of Semiconductors, Chinese Academy of Sciences
		Korea	Institute of Information and Communication Technology, Sungkyunkwan University
			School of Computer and Communication, Taegu University
		Thailand	Faculty of Science, Chulalongkorn University
	Europe	France	Research Center of Condensed Materials and Nanosciences, National Center for Scientific Research
		Germany	IHP-Innovations for High Performance Microelectronics
		Netherlands	Institute of Materials Science, Faculty of Applied Physics, University of Twente
		Poland	Institute of Physics, Polish Academy of Science
		Russia	Institute of Radioengineering and Electronics (IRE), Russian Academy of Sciences
		U. K.	Queen Mary and Westfield College, University of London
	North America	U. S. A.	James Franck Institute, University of Chicago
Institute of Multidisciplinary Research for Advanced Materials (25)	Asia	China	Center for Nanoscale Science and Technology, Peking University
			Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences
			College of Material Science and Engineering, Huaqiao University
			College of Materials Engineering, Zhengzhou University
			Northeast Institute of Technology (Northeastern University)
		Korea	Advanced Materials & Process Research Center for IT, Sungkyunkwan University
			Institute of Hybrid Materials for Information and Biotechnology, Hannam University
		Thailand	Faculty of Science, Chiang Mai University
	Europe	France	École des Mines d'Albi-Carmaux
		Germany	Department of Physics, Free University of Berlin
			Institute for Crystal Growth
			Institute für Festkörperphysik, Friedrich-Schiller-Universität Jena
		Italy	Sincrotrone Trieste, S. C. p. A.
		Romania	National Institute for Lasers, Plasma and Radiation Physics
		Russia	Institute of Automation and Control Processes, Far Eastern Branch of the Russian Academy of Sciences
			Institute of Solid State Physics, Russian Academy of Sciences
			Nuclear Physics Institute, Tomsk Polytechnic University
			P. N. Lebedev Physics Institute of Russian Academy of Sciences
		U. K.	Daresbury Laboratory, Council for the Central Laboratory of the Research Councils
		Ukraine	Institute for Problems of Materials Science, National Academy of Science of Ukraine
	North America	Canada	Department of Metallurgy and Materials Science, University of Toronto
			McGill Metal Processing Center, McGill University
		U. S. A.	Department of Chemistry, Columbia University
			Department of Earth and Environmental Engineering, Fu Foundation School of Engineering and Applied Science, Columbia University
			Department of Metallurgical Engineering, University of Utah
Center for Northeast Asian Studies (10)	Asia	China	Guangdong Institute of Ethnology
			Mongolia Study Institute, Inner Mongolia Normal University
		Korea	Chinese Studies Institute, Korea University
		Mongolia	Research Center of Japanese Studies, Korea University
			Geoscience Center, Mongolian University of Science and Technology
	Europe	Russia	Economic Research Institute, Far Eastern Branch of the Russian Academy of Sciences
			International Foundation of Technology and Investment
			Institute of Humanities, Academy of Sciences of the Republic of Sakha (Yakutia)
Cyclotron and Radioisotope Center (1)	Central and South America	Cuba	Ugora Research Institute of Information Technologies
			V. N. Sukachev Institute of Forest SB RAS
Center for Interdisciplinary Research (2)	Asia	Finlay Institute	
		China	Shanxi Economic Management Cadre College
		Korea	Institute of Industrial Technology, Changwon National University

Number of Visiting Research Fellows from Overseas

(FY 2007)

Areas	Divisions		Countries and Regions																												Total		
Asia	Bangladesh																													6			
	Cambodia																													1			
	China	8		3	9	15	29	2	1	58	4	2	22		10	71	2	5	1	89	23	9	6	2	5	1			7	27	411		
	India						8	6								12		1		7									1	43			
	Indonesia	2						1			2					3				1										10			
	Korea	56	1	4	4	5	5	3	1	75			4	1		3	54	1	5		74	20	3	3	3	1	11		1	1	4	343	
	Laos							2																						2			
	Malaysia							1				2				2														5			
	Mongolia			5																			3								8		
	Philippines								16																			1			17		
	Singapore			1				1	3			7					1		1	1											15		
	Taiwan	3	1			2	2	2		1	14	1				31		1		6						1				1	66		
	Thailand					4			25			1					3		1		3	23						1			2	63	
	Vietnam								2			7					3														2	14	
Middle and Near East	Iran							5			1					3			3												12		
	Israel							2											1												3		
	Kuwait										1																				1		
	Lebanon																														1		
	Oman											2																			2		
	Saudi Arabia											1																			1		
	Turkey												1				7														8		
	U.A.E.											1																			1		
Yemen											1																			1			
Africa	Cameroon																1														1		
	Egypt											4										1									5		
	South Africa																														9	10	
	Zambia																			1											1		
Oceania	Australia					2	3	9								5		8		11	1		2						1	6	52		
	New Zealand											1								1		1								5			
North America	Canada				3	1	1	6	2		11			1			2		4		3										34		
Central and South America	U.S.A.	8			1	1	26	42	2	4	22	2		6		30	44	15	7	28	2		11		1	2			12	17	283		
	Argentina																						1								1		
	Bolivia																						1								1		
	Brazil				1			1	1			2																			5		
	Colombia																		1												1		
	Cuba																2														2		
	El Salvador																														1		
	Mexico											2														1					3		
	Nicaragua																									1					1		
	Panama																														2		
Venezuela																														1	1		
Europe	Austria										2										1										5		
	Belgium											1					5			3	2										17		
	Bulgaria																														1		
	Czech															1			2		1										4		
	Denmark											1	8					3													12		
	Estonia																														5		
	Finland											2		1																	8		
	France	2			3			2	5		3	12			1	3		2	12	2	7	7	24				5		1	7	99		
	Georgia																														1		
	Germany	5	2	1		2	4	5		1	16						7	1	10	6	15		3			7			2	87			
	Greece																														2		
	Hungary																														4		
	Ireland																														1		
	Italy	2														2				1				1	1						17		
	Latvia																														1		
	Netherlands																															18	
	Norway																			1	1											5	
	Poland																															12	
	Portugal																															1	
	Rumania	1																														3	
	Russia	3											1	3				26		6		6			17			1		4	68		
	Slovakia																															6	
	Slovenia																															3	
	Spain																															17	
	Sweden																															26	
	Switzerland																															16	
	U.K.	3	1																													4	61
	Ukraine																															4	
	Uzbekistan																															2	
Total		93	11	19	25	82	198	13	12	331	15	7	41	5	48	261	61	68	42	317	70	35	35	7	9	18	8	5	1	1	30	81	1,949



(FY 2007)

## Number of Academic Studies Overseas

Areas	Divisions		Countries and Regions		Others																												Total																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
					Biomedical Engineering Research Organization WPI Research Center: Advanced Institute for Materials Research Center for International Exchange Cyclotron and Radioisotope Center International Advanced Research and Education Organization Center for Research Strategy and Support Information Synergy Organization Center for Interdisciplinary Research New Industry Creation Hatchery Center The Center for Academic Resources and Archives Center for the Advancement of Higher Education University Hospital Institute of Multidisciplinary Research for Advanced Materials Research Institute of Electrical Communication Institute of Fluid Science Institute of Development, Aging and Cancer Institute for Materials Research Educational Informatics Environmental Studies Life Sciences Information Sciences International Cultural Studies Agricultural Science Engineering Pharmaceutical Sciences Dentistry Medicine Science Economics and Management Law Education Arts and Letters																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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## Number of International Students

(as of May 1, 2008)

Number of International Students by Funding Status and Student Levels

Areas	Countries and Regions	Funding Status						Total	Student Levels												
		Japanese Government Scholarships		Private Means					Undergraduates	Graduates			Research Students			Others					
		Male	Female	Foreign government funds		Others				Master Course / Master's Program	Doctoral Program (4-year course)	Undergraduate Schools	Graduate Schools	Research Institutes	Intensive Japanese Language Program	Special Auditors (Undergraduates)	Special Auditors (Graduates)	Special Research Students	Special Students		
				Male	Female	Male	Female														
Asia 1,001 (82.2%)	Azerbaijan	2					1	3		1		1	1								
	Bangladesh	7	1				9	2	19		3	12	1		2			1			
	Cambodia		1						1												
	China	36	30				193	253	512	36	187	131	28	88	9	7		14	12		
	India	7	2				3	1	13		1	9	1		1						
	Indonesia	19	11				10	6	46	4	15	18	2	2	2		2		1		
	Korea	29	12		1	99	57	198	26	39	77	3	8	4	2		33		5	1	
	Laos					5	1	6		3	2								1		
	Malaysia	5	5	19	4		7		40	27	6	3	2	1	1						
	Mongolia	2	7				10	16	35	3	13	8		10		1					
	Myanmar	3	2				1		6		2	3					1				
	Nepal	5	1				2		8	3	3				2						
	Pakistan	4	1						5			5									
	Philippines	6	5				1		12			10					2				
	Singapore		1				1		2		1							1			
	Sri Lanka	2						2	4		2	2									
	Taiwan						5	28	33	1	9	14		4	1			4			
	Thailand	8	5	2			5	9	29	2	5	13	2	2	1	2		2			
	Vietnam	11	3				10	5	29	10	5	10		2		1		1			
Middle and Near East 36 (3.0%)	Iran	13	1				6	6	26		8	16	1				1				
	Prestine	1							1								1				
	Syria	2	1						3		1		2								
	Turkey	4					1		5			5									
	Yemen	1							1		1										
Africa 33 (2.7%)	Congo	2					1		3		1	1					1				
	Côte d'Ivoire	1							1				1								
	Egypt	2		2	1		6	2	13			13									
	Kenya	1							1			1									
	Libya	3						1	4			2					2				
	Morocco	1	1						2		1	1									
	Nigeria	1							1								1				
	Tanzania	1							1								1				
	Tunisia	2					1		3			3									
	Uganda	2							2	1		1									
	Zambia	1							1				1								
	Zimbabwe	1							1			1									
Oceania 3 (0.2%)	Australia						1		1									1			
	New Zealand	1							1									1			
	Papua New Guinea	1							1			1									
North America 30 (2.5%)	Canada	1						1	2		1	1									
	U.S.A.	3	1				18	6	28		3		1	2	1			20		1	
Central and South America 35 (2.9%)	Argentina	1							1					1							
	Bolivia	2	1						3			2		1							
	Brazil	5	2				1	1	9	1	3	2	1				2				
	Colombia	4					1		5	1	2	2									
	Cost Rica	2							2			1		1							
	El Salvador							1	1		1										
	Guatemala	2							2		1	1									
	Mexico	3		1			1		5		1	3	1								
	Nicaragua	1							1					1							
	Panama	2	1						3				1				2				
	Peru	1	1	1					2	1	1										
	Venezuela	1							1			1									
	Europe 80 (6.5%)	Austria		1						1		1									
		Bosnia and Herzegovina							1	1		1									
Bulgaria		1							1								1				
Czech		1							1			1									
Denmark							1	1	2									2			
Finland							5	1	6									4		2	
France		3					11	3	17		7					1		4	1	4	
Germany		1	2				5	2	10		1			1	1	1		4		2	
Kyrgyz			1						1			1									
Moldova			1						1	1											
Norway		1							1								1				
Poland		2					1		3		1	1	1								
Portugal		1							1			1									
Rumania		3	3					1	7	4	1	2									
Russia		2	2					2	6			3		1				2			
Slovakia								1	1				1								
Spain		2					2		4		1	2						1			
Sweden							8	4	12									8		4	
Turkmenistan			1						1					1							
U.K.		1							1		1										
Ukraine		1							1			1									
Uzbekistan								1	1				1								
Total		234	107	24	6	431	416	1,218	122	334	388	52	126	25	15	17	104	2	32	1	

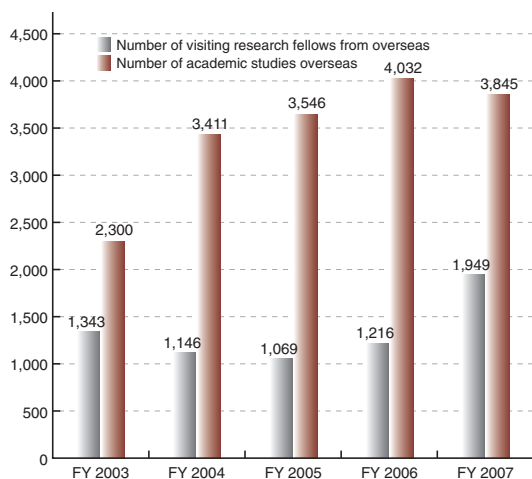
(as of May 1, 2008)

## Number of International Students by Disciplines

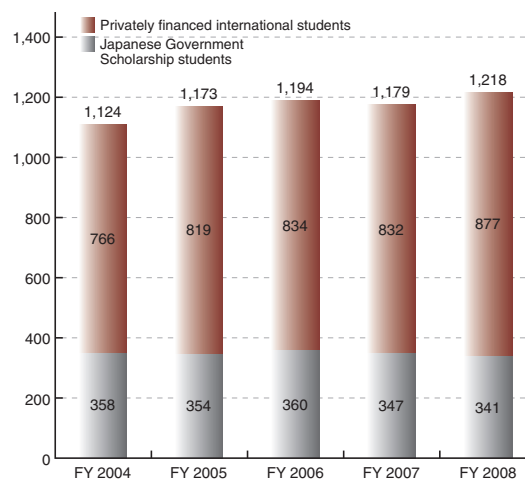
Areas	Divisions Countries and Regions	Total	Arts and Letters	Education	Law	Economics and Management / Economics	Science	Medicine	Dentistry	Pharmaceutical Sciences / Pharmacy and Pharmaceutical Sciences	Engineering	Agricultural Science / Agriculture	International Cultural Studies	Information Sciences	Life Sciences	Environmental Studies	Biomedical Engineering	Educational Informatics Education Division	Materials Research Institute for	Institute of Development, Aging and Cancer	Institute of Fluid Science	Research Institute of Electrical Communication	Institute of Multidisciplinary Research for Advanced Materials	New Industry Creation Hatchery Center	Asian Studies	Center for the Advancement of Higher Education
Asia	Azerbaijan	3						2					1													
	Bangladesh	19	1			1	1	2		3	9	1			1											
	Cambodia	1								1																
	China	512	30	22	11	122	20	41	1	7	96	13	51	34	12	30	1	14			3	1	1		2	
	India	13					2	1			6				1	1	1									1
	Indonesia	46	7			1	6	2		1	14	4	1	7		2	1									
	Korea	198	30	3	8	10	4	4	4	1	99	5	13	4	2	7	2				1		1			
	Laos	6									6															
	Malaysia	40				1		2		2	34				1											
	Mongolia	35	1	4	3	10	3			1	1		8			3									1	
	Myanmar	6	1				2	1			1															1
	Nepal	8				2	1				4		1													
	Pakistan	5				1					2			2												
	Philippines	12				1					4	1	1		2	1										2
	Singapore	2		1							1															
	Sri Lanka	4									1			1		2										
	Taiwan	33	13	3		4			1		1	1	7	1	1			1								
	Thailand	29	4			4	1	2		1	10	2		3									2			
	Vietnam	29	1		1	4				2	18			1		1							1			
Middle and Near East	Iran	26	1				2	2	1		16			2	1											1
	Palestine	1																								1
	Syria	3						1	1	1																
	Turkey	5									5															
	Yemen	1				1																				
Africa	Congo	3				1					1															1
	Côte d'Ivoire	1						1																		
	Egypt	13					2				5	1		3	1	1										
	Kenya	1														1										
	Libya	4														2										2
	Morocco	2									1				1											
	Nigeria	1																								1
	Tanzania	1																								1
	Tunisia	3				2					1															
	Uganda	2									2															
	Zambia	1						1																		
	Zimbabwe	1									1															
Oceania	Australia	1									1															
	New Zealand	1	1																							
	Papua New Guinea	1													1											
North America	Canada	2						1						1												
Central and South America	U.S.A.	28	4				3		1		20															
	Argentina	1									1															
	Bolivia	3									1					2										
	Brazil	9	1					1		1	1			2			1									2
	Colombia	5									4					1										
	Costa Rica	2									1							1								
	El Salvador	1										1														
	Guatemala	2									1			1												
	Mexico	5						1			2			2												
	Nicaragua	1						1																		
	Panama	3						1																		2
	Peru	2				1					1															
	Venezuela	1												1												
Europe	Austria	1											1													
	Bosnia and Herzegovina	1				1																				
	Bulgaria	1																								1
	Czech	1													1											
	Denmark	2					2																			
	Finland	6					2				3			1												
	France	17	1				4				8		1	2							1					
	Germany	10	1				1				6			1									1			
	Kyrgyz	1					1																			
	Moldova	1				1																				
	Norway	1																								1
	Poland	3						1					1			1										
	Portugal	1									1															
	Rumania	7				1	1				2		2	1												
	Russia	6	1	1		2					2															
	Slovakia	1						1																		
	Spain	4									2			1		1										
	Sweden	12	1				3				7				1											
	Turkmenistan	1				1																				
	U.K.	1	1																							
	Ukraine	1											1													
	Uzbekistan	1														1										
Total		1,218	100	34	23	171	62	69	9	21	403	29	89	73	25	57	5	16	0	0	5	1	6	0	3	17

## Statistics on Personnel Exchange

### Academic Exchange



### Number of International Students



## Overseas Office

### Liaison Office

Institution (Location)	Country (Starting Date)	Liaison Office	Department / Institute of TU
① Siberian Branch of Russian Academy of Sciences (Novosibirsk Science Center)	Russia (Sep. 22, 1997)	Siberia Liaison Office of CNEAS	Center for Northeast Asian Studies
② University of Cambridge (Department of Materials Science and Metallurgy)	U. K. (Apr. 23, 2002)	IFCAM Cambridge Office	Institute for Materials Research
③ The University of New South Wales (International Office)	Australia (May 17, 2002)	Liaison Office of Tohoku University	Institute of Fluid Science Graduate School of Law
④ Harvard University (Division of Engineering and Applied Sciences)	U. S. A. (May 31, 2002)	IFCAM Harvard Office	Institute for Materials Research
⑤ Moscow State University (Faculty of Physics)	Russia (Jun. 21, 2002)	Liaison Office of Tohoku University	Institute of Fluid Science Graduate School of Engineering Institute for Materials Research
⑥ Royal Institute of Technology (Department of Materials Science and Engineering)	Sweden (Sep. 6, 2002)	IFCAM Stockholm Office	Institute for Materials Research
⑦ Stanford University (Geballe Laboratory for Advanced Materials)	U. S. A. (Feb. 11, 2003)	IFCAM Stanford Office	Institute for Materials Research
⑧ Institute of Physics, Chinese Academy of Sciences (State Key Laboratory for Surface Physics)	China (Feb. 20, 2003)	IFCAM Beijing Office	Institute for Materials Research
⑨ Syracuse University (L. C. Smith College of Engineering and Computer Science)	U. S. A. (Nov. 11, 2003)	IFS Syracuse Office	Institute of Fluid Science
⑩ Korea Advanced Institute of Science and Technology (Department of Mechanical Engineering)	Korea (Dec. 18, 2003)	Liaison Office of Tohoku University	Institute of Fluid Science
⑪ Institut National des Sciences Appliquées de Lyon (Materials Science and Physical Metallurgy Laboratory)	France (Jan. 23, 2004)	Liaison Office of Tohoku University	Institute of Fluid Science Graduate School of Engineering Institute of Development, Aging and Cancer

### Overseas Office

Overseas Office	Date Established
⑫ Tohoku University US Office	May 24, 2006
⑬ Tohoku University China Office	April 20, 2007





# Campuses



## Profile

Sendai is one of the traditional cities of Japan yet known as a modern city with harmony in the beauty of nature and urban life. The city was founded in 1600 by *Masamune Date*, a famous feudal lord, and prospered as the center city for politics and economy of northern Japan. The city is one of Japan's 14 major cities with a population of one million people.

Sendai is the largest city located in the northeast Tohoku Region with many governmental branches established in the city. Sendai is well known by its nickname, "Mori no Miyako" (City of Trees), as most of the major streets and avenues in the city are lined with zelkova trees. It also became known as an "Academic City," since it has many universities and colleges compared to its population.

Sendai is proud of its history, arts and culture, and enjoys many events such as the Sendai Tanabata Festival. It also cherishes its beautiful nature in and around the city; picturesque seacoast of Matsushima, a gigantic volcano of Zao, and various hot springs resorts.



## Access

### 1. Flight

Sendai International Airport (SDJ) has regular international flights for East Asian cities and also for many domestic cities.

- From Seoul: 2 hrs 10 mins.
- From Beijing: 4 hrs 45 mins.
- From Shanghai: 2 hrs 50 mins.
- From Tokyo-Narita Int'l Airport: 55 mins.

### 2. "Tohoku Shinkansen" Bullet Train

From Tokyo to Sendai: 1 hr 40 mins.



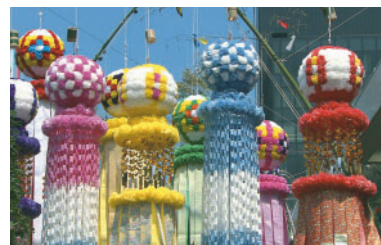
Provided by the Miyagi Prefecture Industry Department, Tourism Division



Provided by the Miyagi Prefecture Industry Department, Tourism Division



Provided by the Miyagi Prefecture Industry Department, Tourism Division

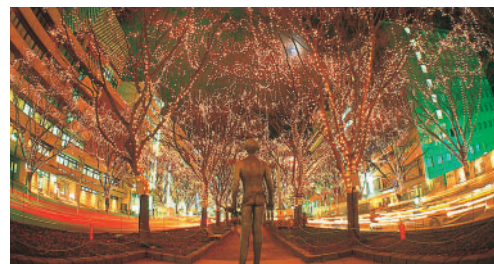
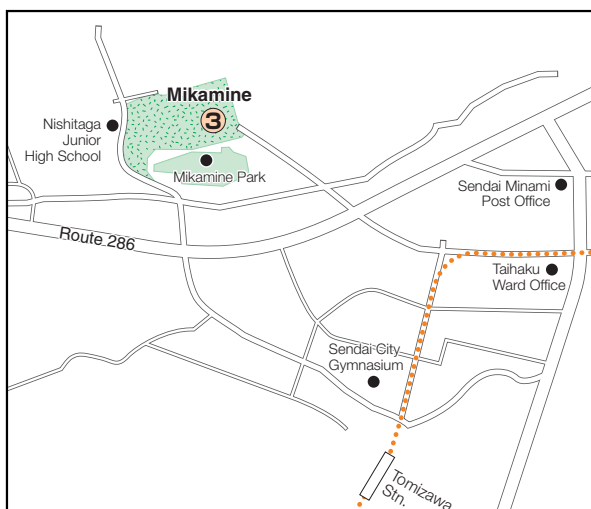
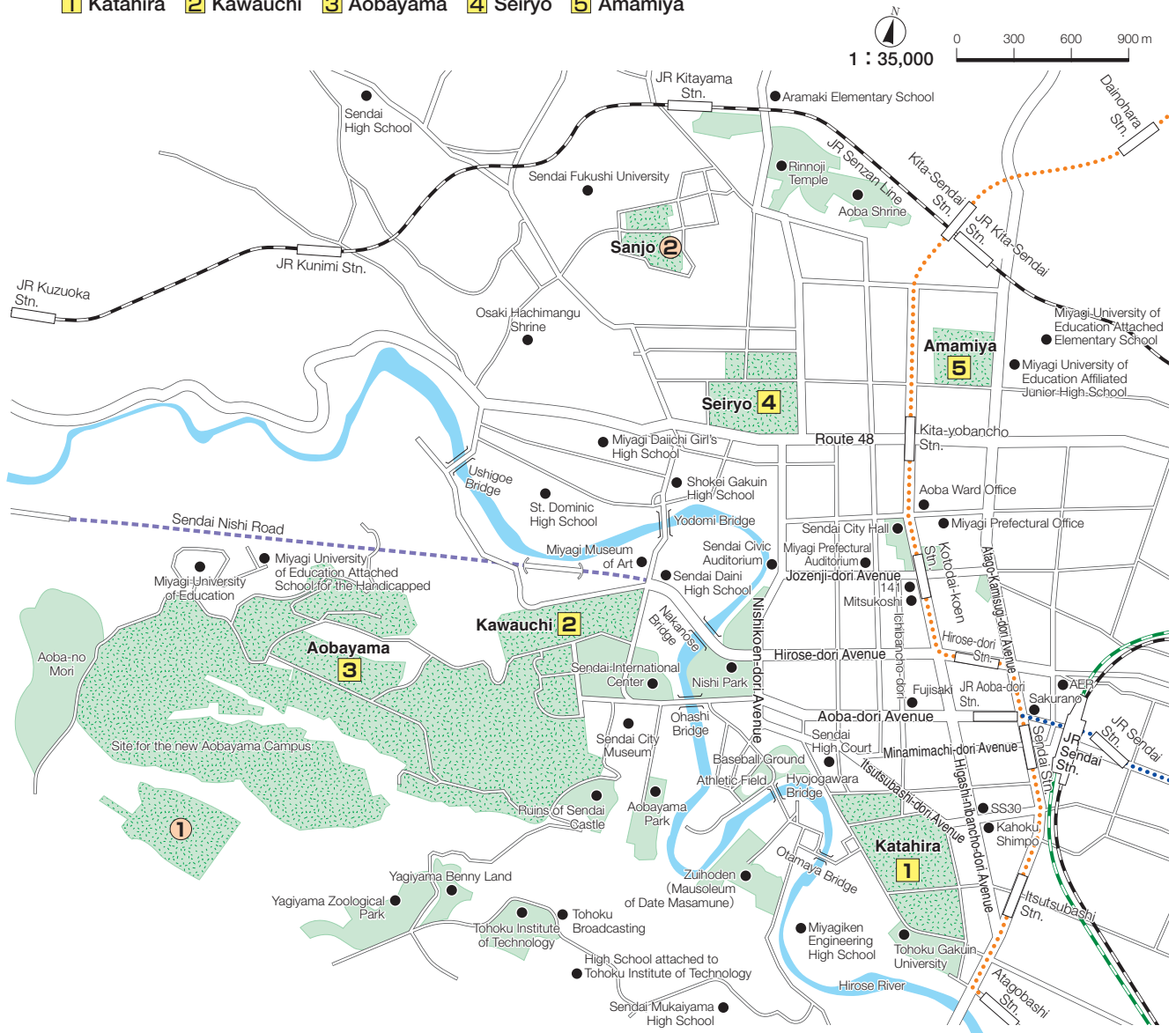


Provided by the Miyagi Prefecture Industry Department, Tourism Division

## Location of the Campuses

### Campuses in Sendai City

- 1 Katahira 2 Kawauchi 3 Aobayama 4 Seiryō 5 Amamiya



Provided by the Miyagi Prefecture Industry Department, Tourism Division



Provided by the Miyagi Prefecture Industry Department, Tourism Division

## Location of the Campuses

### Academic Facilities and Others

Facility	Address	Phone
① Jun-ichi Nishizawa Research Center	519-1176 Aoba, Aramaki, Aoba-ku, Sendai 980-0845	+81-22-229-4113
② International House	19-1 Sanjo-machi, Aoba-ku, Sendai 981-0935	+81-22-275-9901
③ Laboratory of Nuclear Science	1-2-1 Mikamine, Taihaku-ku, Sendai 982-0826	+81-22-743-3412
④ Planetary Observatory of PPARC (Onagawa)	Kirigasaki, Onagawa-cho, Oshika-gun, Miyagi 986-2204	+81-225-53-3374
⑤ Field Science Center (Onagawa)	15 Konorihama-mukai, Onagawa-cho, Oshika-gun, Miyagi 986-2242	+81-225-53-2436
⑥ Field Science Center (Kawatabi)	232-3 Yomogida, Naruko-onsen, Osaki, Miyagi 989-6711	+81-229-84-7312
⑦ Kawatabi Seminar Center	75 Hara, Naruko-onsen, Osaki, Miyagi 989-6711	+81-229-84-7309
⑧ Planetary Observatory of PPARC (Zao)	200-1 Nanokahara, Togatta-onsen, Zao-machi, Katta-gun, Miyagi 989-0916	+81-224-34-2743
⑨ Research Center for Marine Biology (Asamushi)	9 Sakamoto, Asamushi, Aomori 039-3501	+81-17-752-3388
⑩ Botanical Gardens, Mt. Hakkoda	1-1 Minami-arakawayama, Arakawa, Aomori 030-0111	+81-17-738-0621
⑪ Akita Branch Observatory of RCPEQVE	1-14-46 Shougunno-minami, Akita 011-0936	+81-18-845-8716
⑫ Honjo Branch Observatory of RCPEQVE	Ohyna, Yurihonjo, Akita 015-0091	+81-184-29-2124
⑬ Sanriku Branch Observatory of RCPEQVE	114 Kodomari, Okirai, Sanriku-cho, Ofunato, Iwate 022-0101	+81-192-44-2107
⑭ Tono Branch Observatory of RCPEQVE	Komagi, Matsuzaki-cho, Tono, Iwate 028-0545	+81-198-62-2800
⑮ International Research Center for Nuclear Materials Science	2145-2 Narita-cho, Oarai, Ibaraki 311-1313	+81-29-267-3181
⑯ Osaka Center for Industrial Materials Research	Osaka Prefecture University, 1-1 Gakuen-cho, Naka-ku, Sakai, Osaka 599-8531	+81-72-254-5603
⑰ Planetary Observatory of PPARC (Iitate)	Maeta, Iitate-mura, Soma-gun, Fukushima 960-1636	+81-224-42-0530
⑱ KamLAND, Research Center for Neutrino Science	408 Kamimachi, Higashi-mozumi, Kamioka-cho, Hida, Gifu 506-1205	+81-578-85-0030
⑲ Joint Research Facility between Tohoku and Miyazaki Universities of TFIRC (Hyuga)	1610-3 Matsunomoto, Mimitsu-cho, Hyuga, Miyazaki 889-1111	+81-982-58-1988
⑳ Tohoku University Liaison Office (Tokyo)	Sapia Tower 10F, 1-7-12 Marunouchi, Chiyoda-ku, Tokyo 100-0005	+81-3-3218-9612
㉑ Tohoku University US Office	4410 El Camino Real, Suite #111, Los Altos, CA 94022, U. S. A.	+1-650-947-0664
㉒ Tohoku University China Office	(JSPS Beijing Office) 616 Library of Chinese Academy of Sciences (CAS), 33 Beisihuan Xilu, Zhongguancun, Beijing 100080 P. R. China	+86-10-6253-8332
㉓ Energy Security JAPEX Endowed Division Graduate School of Environmental Studies	Indonesia Institut Teknologi Bandung JL Ganesha 10, Bandung, 40132, Indonesia	

Notes:

RCPEQVE: Research Center for Prediction of Earthquakes and Volcanic Eruptions

PPARC: Planetary Plasma and Atmospheric Research Center

TFIRC: Transdisciplinary Fluid Integration Research Center

### Student Residence and University House Sanjo

Facility	Capacity	Address	Phone
Nisshu Ryo (for male)	103 persons	16-3 Modori-cho, Yagiyama, Taihaku-ku, Sendai 982-0832	+81-22-229-1858
Ibun Ryo (for male)	96 persons	"	+81-22-229-5392
Seifu Ryo (for male)	81 persons	"	+81-22-229-4954
Joshun Ryo (for female)	64 persons	19-1 Sanjo-machi, Aoba-ku, Sendai 981-0935	+81-22-272-9857
Meizen Ryo (for male)	160 persons	6-3-2 Kamisugi, Aoba-ku, Sendai 980-0011	+81-22-234-0134
Matsukaze Ryo (for male)	150 persons	"	+81-22-275-1221
University House Sanjo (for male, female, international students)	416 persons	19-1 Sanjo-machi, Aoba-ku, Sendai 981-0935	+81-22-274-7305

### Facility for Extracurricular Activity

Facility	Address	Phone
Hyojogawara Ground / University Hostel	2-1 Kadan, Aoba-ku, Sendai 980-0815	
Natori Boat House / University Hostel	10-1 Yashiki, Shimomasuda, Natori, Miyagi 981-1201	+81-22-384-0455
Toda Boat House / University Hostel	5-50 Toda-koen, Toda, Saitama 335-0024	+81-48-447-0658
Shichigahama Yacht House / University Hostel	61-5 Hamayashiki, Yoshidahama, Shichigahama-cho, Miyagi-gun, Miyagi 985-0802	+81-22-357-2659
Shusetsu Hütte	820-1 Arayashiki, Zao-onsen, Yamagata 990-2301	+81-236-94-9094
Seikei Lodge	305 Ro Rinshohan, Kokuyurin, Kurashikidake, Zao-cho, Katta-gun, Miyagi 980-0800	
Katahira Chuo Gymnasium	2-1-1 Katahira, Aoba-ku, Sendai 980-8577	
Katahira (1·2·4·5·6) Hall	"	
Katahira Budojo	"	
Katahira Tennis Court	"	
Tomizawa Baseball Ground / Driver Training Circuit	1-5 Mikamine, Taihaku-ku, Sendai 982-0826	
Aobayama Riding Ground	6-3 Aoba, Aramaki, Aoba-ku, Sendai 980-0845	
Kawauchi Hall	41 Kawauchi, Aoba-ku, Sendai 980-8576	
Kawauchi Circle Club Building	"	
Facility for Extracurricular Activity (A)	"	
Circle Club Rooms E·F·G	"	

## International House

Tohoku University's International House in Sanjo-machi campus was established in 1983 and expanded in 1989 and 1994. It provides housing for both international students and researchers as well as acting as a forum for intercultural communication in the Sanjo region.

Accommodations available in the International House are as follows:

### International House

#### General Information

Address: 19-1 Sanjo-machi, Aoba-ku, Sendai 981-0935

Phone: +81-22-275-9901

Construction: Ferro-Concrete Construction

Area: 28,466㎡

Floor: 10,661㎡

Opening: November 26, 1983

Two stories building	1
Three stories building	7
Four stories building	1
Five stories building	1

Common Facilities:

Lobby	1
Reading Room	1
Meeting Room	2
Recreational Facilities	
including Table tennis corner, Cultural room and others	

Residents	Room Type	Floor Area	Number of Rooms
Students	Single Room	18㎡	147
	Couple Room	46㎡	42
	Family Room	48㎡	31
	Sub Total		220
Researchers	Single Room	18㎡	12
	Couple Room	49㎡	14
	Family Room	60㎡	8
	Sub Total		34
Grand Total			254



### University House Sanio

#### General Information

Address: 19-1 Sanjo-machi, Aoba-ku, Sendai 981-0935

Phone: +81-22-274-7305

Construction: Ferro-Concrete Construction

Opening: April 1, 2007

Ten stories building	1
Six stories building	1
Five stories building	1

Division	Room Type	Floor Area	Number of Rooms
Room Type	Single Room	10㎡	80
	Single Room	13㎡	160
West Building	Single Room	10㎡	96
East Building	Single Room	10㎡	80
Grand Total			416 *

\* 130 rooms for international students, 286 rooms for Japanese students





## 1 KATAHIRA CAMPUS

Land: 237,563m<sup>2</sup> Buildings: 156,645m<sup>2</sup> (as of July 1, 2008)

1-1, Katahira, 2-chome, Aoba-ku, Sendai 980-8577 Phone: +81-22-717-7800

### Administrative Units Research Institutes



Katahira Sakura Hall

Office of the President / General Affairs Division,  
General Affairs Department 25  
Legal Affairs Division, General Affairs Department /  
Personnel Division, General Affairs Department / Finance  
Department / Research Cooperation Department / Audit Office 29  
Public Relations Division, Public Relations Department 26  
Facilities Department / Office for Promotion of  
Campus Relocation / Office for Environmental Security 33  
Information Synergy Organization, Informatization Division,  
Information Department 27  
International Exchange Division, International Affairs Department 30

Graduate School of Life Sciences, Administration Office 35  
Graduate School of Life Sciences Building 35, 58  
Archaeological Research Office /  
Environment Control Experiment Building 36  
Graduate School of Biomedical Engineering, Laboratory 54

School of Public Policy, Law School, Administration Office 28  
Katahira No. 2 Building (Legal Business Training Building) 34  
Katahira No. 3 Building 33  
Katahira No. 4 Building 38  
Katahira No. 5 Building 26  
Gender Law and Policy Center 26  
Katahira No. 4 Lecture Room 32

Institute for Materials Research, Administration Office 9  
Advanced Research Center of Metallic Glasses 13  
High Field Laboratory for Superconducting Materials 14  
International Frontier Center for Advanced Materials 15  
Honda Memorial Hall 9  
Building No. 1 10, 2 11, 3 12  
Building No. 10 (The Open University of Japan) 1  
Super Computing Center 5  
Project on Metallic Glasses 4  
Laboratory of  $\alpha$ -Ray Emitters 6  
Technical Plant 7, 8  
21st COE Center 16

Institute of Fluid Science, Administration Office 39  
Transdisciplinary Fluid Integration Research Center 39  
Building No. 1, 2, 3 39, 40, 41  
High Speed Flow Experiment Building 42  
Interdisciplinary Shock Wave Research Laboratory 43  
Environmental Fluid Facility Building 64

Research Institute of Electrical Communication,  
Administration Office 57  
Laboratory for Brainware Systems 59, 60, 62  
Laboratory for Nanoelectronics and Spintronics 54  
Research Center for 21st Century Information Technology 65, 66  
Building No. 1 56, 2, 57, 58  
Evaluation and Analysis Center 61

Institute of Multidisciplinary Research for Advanced Materials,  
Administration Office 46  
Advanced Materials Processing Building 47, 48, 49  
Chemical Reaction Science Building 19, 21  
Scientific Measurements Building 22, 23  
Scientific Measurements Building, Technical Plant 24  
Advanced Materials Processing Building, Technical Plant 50  
Laboratories for Advanced Materials Research Building 52, 53



University Archives 32  
Center for Low Temperature Science 3  
High-Voltage Electron Microscope Laboratory 31

Center for Research Strategy and Support 29  
Archaeological Research Office on the Campus 36  
Global Operations Center 30  
Campus Planning Office 33

WPI Advanced Institute for Materials Research,  
Administration Office 15  
Integration Laboratory Building 17  
Laboratory 20

Katahira Hall 2  
Welfare Facilities (cafeteria) 18  
Sakura Hall 51  
Cultural Property Storage 44  
Bookstore 45  
Student Hall 55  
Gymnasium 63



## Campus Map

## 2 KAWAUCHI CAMPUS

Land: 816,887㎡ Buildings: 119,678㎡ (as of July 1, 2008)

Humanities and Social Sciences  
First Two-Year Undergraduate Education

Kawauchi-Kita Campus: 41 Kawauchi, Aoba-ku, Sendai 980-8576

Kawauchi-Minami Campus: 27-1 Kawauchi, Aoba-ku, Sendai 980-8576

Phone: +81-22-717-7800



Education and Student Support Department ⑦  
 Admission Division, Education and Student Support Department ⑱  
 Center for International Exchange / Student Exchange Division,  
 International Affairs Department ①  
 University Library (Main Library) ⑲  
 Graduate School of Arts and Letters, Administration Office ⑳  
 Arts and Letters / Law Joint Building ㉓  
 Graduate School of Education, Administration Office ㉔  
 New Humanities Building ㉔  
 Graduate School of Law, Administration Office ㉔  
 Graduate School of Economics and Management,  
 Administration Office ㉔  
 Seminar Rooms ㉔, ㉔  
 Graduate School of International Cultural Studies,  
 Administration Office ⑥  
 Research Center for Language, Brain and Cognition ③  
 Graduate School of Educational Informatics,  
 Education Division / Research Division, Administration Office ㉔  
 Accounting School ㉔  
 Center for Northeast Asian Studies ③  
 Center for the Advancement of Higher Education ③, ⑪  
 Health Administration Center / University Counseling Center /  
 Counseling Room for Harassment ④

Admission Center ⑱  
 Center for Career Support ⑦  
 Botanical Gardens (Garden Hall) ㉔  
 Memorial Herbarium ㉔  
 Center for International Exchange ①  
 Institute of Liberal Arts and Sciences ⑦  
 Laboratories for Students ②  
 Kawakita Joint Building ③  
 Lecture Rooms A ⑧, B ⑨, and C ⑩  
 Multimedia Education and  
 Research Complex ⑪  
 Circle Club Rooms ⑤, ⑫  
 Welfare Facilities (cafeteria) ⑬  
 Gymnasium ⑭  
 Kawauchi Hall ⑮  
 Facility for Extracurricular Activity (A) ⑮  
 Kawauchi Circle Club Building ⑰  
 Tohoku University Centennial Hall  
 (Kawauchi Hagi Hall) ⑳  
 Lecture Rooms ㉔  
 Lecture Hall ㉔  
 Humanities Building ㉔  
 Cafeteria ㉔



Kawauchi Campus

3 AOBAYAMA CAMPUS

Science and Engineering



- Information Infrastructure Division, Information Department 25
- Graduate School of Information Sciences, Administration Office 26
- International Advanced Research and Education Organization 24
- Cyclotron and Radioisotope Center 22
- New Industry Creation Hatchery Center 30
- Center for Interdisciplinary Research 24
- Cyberscience Center 25
- Information Synergy Organization 25
- Office of Cooperative Research and Development 30
- Fluctuation Free Facility (FFF) for New Information Industry 29
- Gymnasium 26
- Cafeteria Keyaki Dining 31



Zelkova transplanted from Aoba Street to Aobayama New Campus



Komorebi Café

●Land: 785,049㎡ ●Buildings: 291,796㎡ (as of July 1, 2008)

Graduate School / School of Engineering, Graduate School of Environmental Studies,  
Graduate School of Biomedical Engineering: 6-6, Aoba, Aramaki, Aoba-ku, Sendai 980-8579  
Other than those above: 6-3, Aoba, Aramaki, Aoba-ku, Sendai 980-8578

Phone: +81-22-717-7800

Kita-Aobayama Library 17

Graduate School / Faculty of Science, Administration Office 12

Research and Analytical Center for Giant Molecules 9

Center for Atmospheric and Oceanic Studies 21

Planetary Plasma and Atmospheric Research Center 21

Research Center for Prediction of Earthquakes and Volcanic Eruptions 50

Research Center for Neutrino Science 18

Mathematics 7

Physics 2, 3, 4, 20

Chemistry 8

Earth Sciences 11

Biology 10

Physics and Natural Science 20

Lecture Hall 5

Kawai Hall 6

Museum of Natural History / University Museum 19

Graduate School of Pharmaceutical Sciences /

Faculty of Pharmacy and Pharmaceutical Sciences, Administration Office 13

Experimental Station for Medicinal Plant Studies, Administration Building 15

Pharmaceutical Research Laboratories Building 14

Graduate School of Life Sciences, Laboratories 8, 10, 20

The Tohoku University Museum 19

Center for Low Temperature Science 1

Cafeteria / Bookstore 16

Engineering Library 39

Graduate School / School of Engineering, Administration Office (Administration Building) 36

Disaster Control Research Center 35

Fracture and Reliability Research Institute 35

Research Center of Supercritical Fluid Technology 35

Management Science and Technology, Office 35

Micro / Nano-Machining Research and Education Center 46

Mechanical Systems and Design / Nanomechanics /

Aerospace Engineering / Bioengineering and Robotics, Administration Office 44

Quantum Science and Energy Engineering, Office 53

Electrical and Communication Engineering / Electronic Engineering / Applied Physics, Administration Office 34

Applied Chemistry / Chemical Engineering / Biomolecular Engineering, Administration Office 32

Metallurgy / Materials Science / Materials Processing, Administration Office 45

Civil and Environmental Engineering / Architecture and Building Science, Administration Office 33

Engineering Laboratory Complex Building 35

Graduate School / School of Engineering (Lecture Hall) 41

Innovation Plaza 38

Laboratories of Architecture and Building Science 23

Graduate School of Environmental Studies, Administration Office 43

Graduate School of Biomedical Engineering, Administration Office 36

Laboratories 34, 35, 36, 51, 52

Environment Conservation Research Institute 49

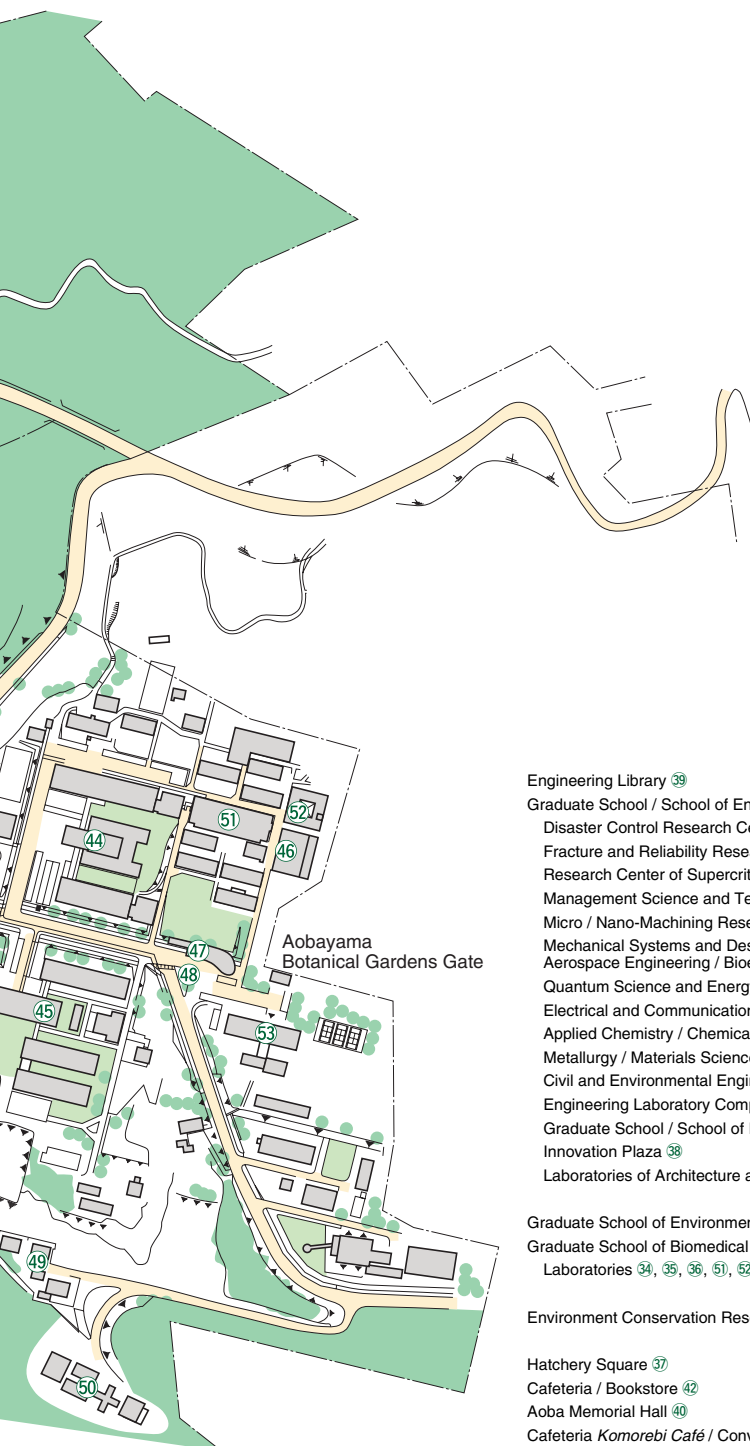
Hatchery Square 37

Cafeteria / Bookstore 42

Aoba Memorial Hall 40

Cafeteria *Komorebi Café* / Convenience Store 47

Motor Car Exhibition Hall 48



4 SEIRYO CAMPUS

School of Medicine  
School of Dentistry  
University Hospital

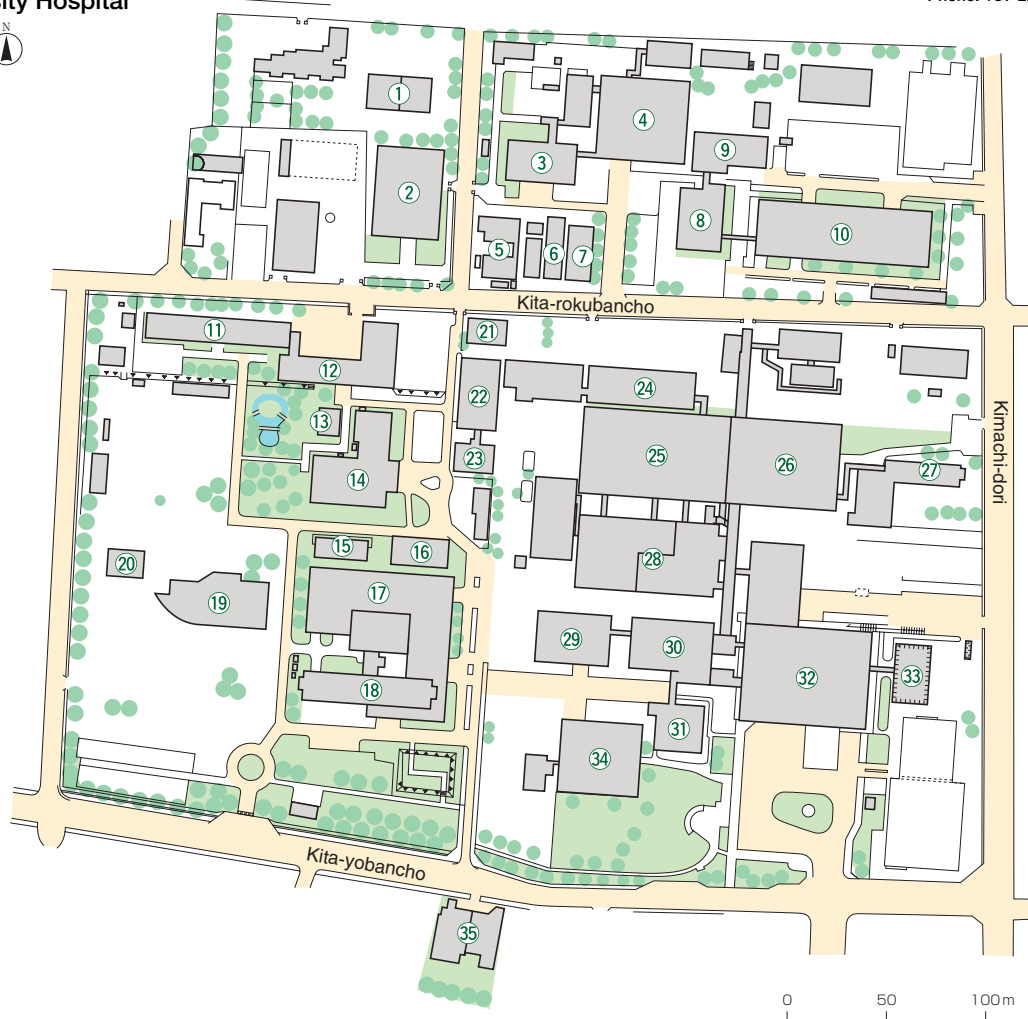
Land: 179,214㎡ Buildings: 259,767㎡ (as of July 1, 2008)

University Hospital: 1-1, Seiryomachi, Aoba-ku, Sendai 980-8574

Dental Center: 4-1, Seiryomachi, Aoba-ku, Sendai 980-8575

School / Graduate School of Medicine: 2-1, Seiryomachi, Aoba-ku, Sendai 980-8575

School / Graduate School of Dentistry, Institute of Development, Aging and Cancer: 4-1, Seiryomachi, Aoba-ku, Sendai 980-8575  
Phone: +81-22-717-7000



Medical Library 34

University Hospital, Administration Office  
(Administration Building) 33

Clinics for Outpatients 32

Operation & Medical Check Building 28

Research Laboratory Complex  
(provisional name) 24

West Ward 25

East Ward 26

New South Ward 27

Graduate School /  
School of Medicine 18

Building No. 0 15

Building No. 1 18

Building No. 2 29

Building No. 3 30

Building No. 4 16

Building No. 5 19

Course of Health Sciences 11, 12

Frontier Research Building 13

Biomedical Research Building 20

Prion Research Building 21

Institute of Animal  
Experimentation 22

Lecture Rooms 17

Lecture Rooms 31

Graduate School / School of Dentistry, Administration Office 8

Dental Center 10

Laboratories 8

Lecture Rooms 9

Graduate School of Life Science,

Laboratories 3, 4

Graduate School of Biomedical Engineering,

Laboratories 3, 15, 18, 29, 30

Institute of Development, Aging and Cancer,  
Research Building 4

Seiryomachi Total Research Project Building 3

Brain Imaging Research Building 6

Brain Dynamics Research Building 7

Tumor Animal Experiment Building 5

Innovation of New Biomedical  
Engineering Center 26

RI Seiryomachi Subcenter 23

Student Recreational Building 1

Gymnasium 2

Seiryomachi Hall 14

Gonryo Hall 35



University Hospital



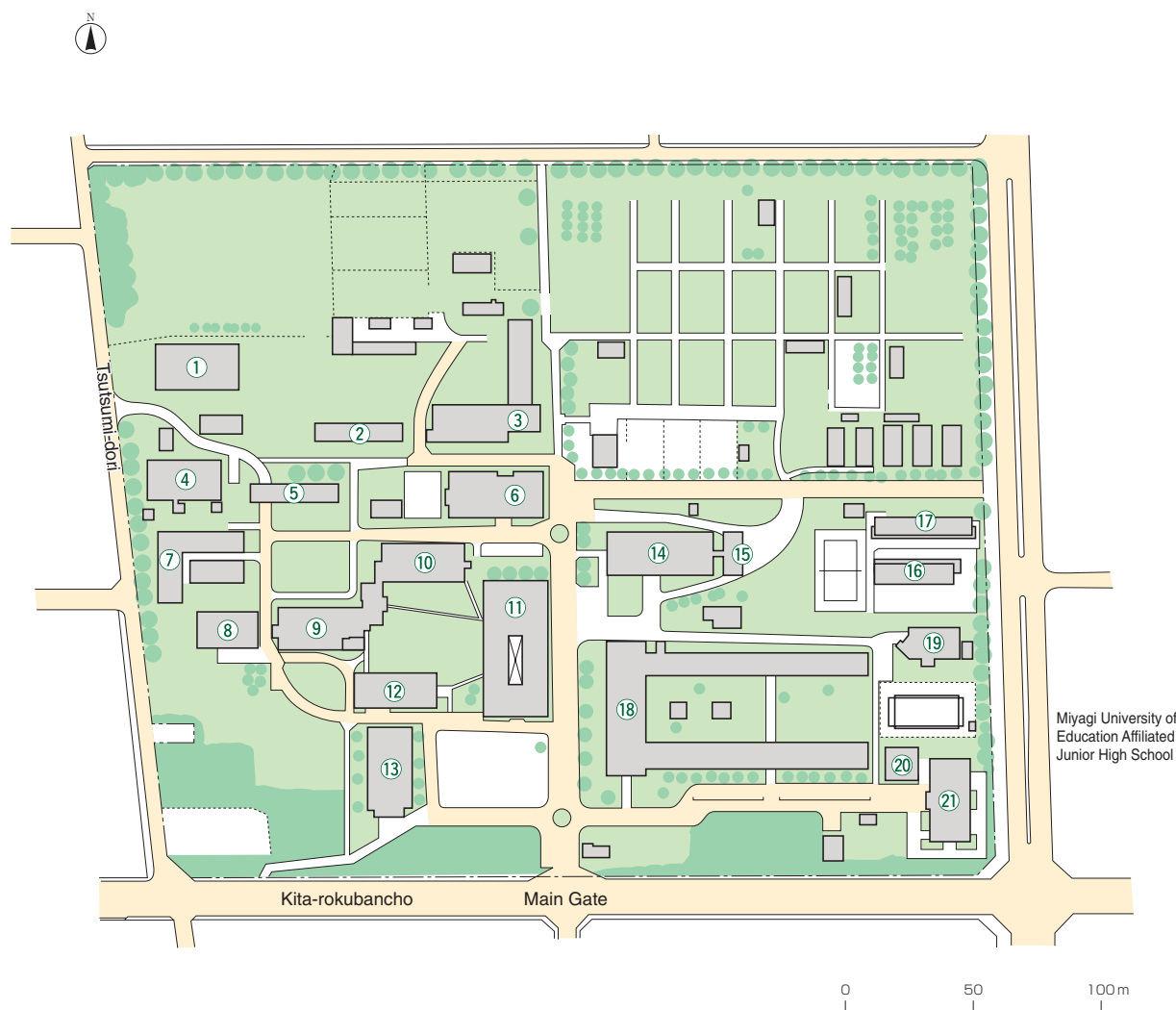
## Campus Map

## 5 AMAMIYA CAMPUS

● Land: 92,746m<sup>2</sup> ● Buildings: 31,297m<sup>2</sup> (as of July 1, 2007)

1-1, Amamiya-machi, Tsutsumidori, Aoba-ku, Sendai 981-8555 Phone: +81-22-717-8604

## Faculty of Agriculture



Agricultural Library ⑥

Graduate School of Agricultural Science,  
Administration Office (Administration Building) ⑫

Research House named "Honkan" ⑮

Research House named "Daiichi-kenkyutou" ⑨

Research House named "Daini-kenkyutou" ⑩

Research House named "Kenkyu Jikkentou 1" ⑮

Research House named "Kenkyu Jikkentou 2" ⑮

Research House named "Kenkyu Jikkentou 3" ⑤

Research House named "Kenkyu Jikkentou 4" ②

Building for Animal Breeding and Experiments ③

Food Processing Laboratory ④

Laboratory and Breeding House of Aquatic Life ⑦

Laboratory of Plant Environmental Responses ⑳

Graduate School of Life Science, Laboratories ⑤, ⑩, ⑮

Center for Advanced Genome Research,  
Institute of Development, Aging and Cancer ㉑

Lecture House ⑪

Lecture Hall ①

Radioisotope Laboratory ⑲

Power Center ⑧

Old Gymnasium ⑬

Welfare Facilities ⑭

Student Lounge ⑮



Amamiya Campus Main Gate



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