# Tohoku University Fact Book 2010

東北大学概要 2010



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## Historical Background

Tohoku University was founded in 1907 as the third Imperial University of Japan, following Tokyo Imperial University and Kyoto Imperial University. From its start, it displayed to the world an unswerving commitment to an "Open Door" policy. Departing from the norms of other imperial universities, it accepted graduates from technical schools and higher normal schools, and despite opposition from the government at that time, became Japan's First 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. For this reason, a "Research First" principle was established, calling upon 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 the results of cutting edge research are being put to use for the good of society and the improvement of living standards. Evidence of our pioneering practice (before the Second World War) includes the establishment of local venture businesses which have contributed to 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, remains alive and can be seen in today's new era of advanced globalization.

December 27, 2005

### Mission Statement

Tohoku University has been 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 solving societal problems, and educating human resources in leadership skills

### Towards Tohoku University 2016

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

## Establish ourselves as 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.
- Oreate cutting edge research institutions and other forums capable of responding to the rapid dissemination of knowledge and a knowledge based society.
- Establish our presence and reputation as an international locus in general research while maintaining close links with major national and international research networks.

## Nurture human resources capable of leadership that contributes to knowledge and the 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 the responsibilities of 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

- OContribute to the development of community and humanity by making available to the world the benefits of research and human resources with exceptional leadership abilities.
- OProvide 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 provision of 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 and 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 the campuses and their natural surroundings.
- Establish a human, material and financial base in a management system which allows a world class research and educational institution to develop rapidly and flexibly.

#### **Our Path Toward Becoming a World-Class University**

Ever since Tohoku University was established in 1907, our philosophy has always been to put "Research First" while maintaining an "Open-Door" policy in order to emphasize "Practice-Oriented Research and Education." Over the years, this has enabled us to offer our students a world-class education and the opportunity to carry out ground-breaking research. The results of our research have proven useful in solving many problems facing society, and by educating leaders



we have contributed to establishing a just and peaceful society. Our university history has been built through the efforts and accomplishments of those who have passed through the halls of our campuses and facilities during our ten decades of operation.

Our alumni, educators, administrative staff, and the local 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-class university" in helping humanity overcome the challenges it faces today.

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

As a "transmitter of knowledge," Tohoku University aims to serve society by "creating" a large number of entrepreneurial graduates able to play leading roles in various fields on the international stage.

Furthermore, as a "creator of knowledge," our goal will be to use the energies generated by our spirit of challenge to acquire world-class knowledge and contribute to the progress of human society through the practical application of this knowledge. "Innovation" leads us to 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" welcoming 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, 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 a leading research-intensive university in the world.

To become a "World-Class University", Tohoku University announced the "Inoue Plan 2007" in March 2007. The Inoue Plan established the specific steps that will be taken to implement a strategic five pillar plan focused on education, research, contribution to society, campus environment and organization / management.

Three years have now passed since the plan was introduced, and during this period the University continues to make steady progress. In the field of education, for example, we are moving forward with the development of our new proprietary liberal arts curriculum, including the expansion of the overseas internship program, while an implementation system for that curriculum is also being put in place. After being selected to participate in the Project for Establishing Core Universities for Internationalization (Global 30), we are seizing the opportunity offered by this program in order to more than double the number of overseas students studying at Tohoku University, from 1300 to 3000, and to develop 16 educational programs that will be offered completely in English.

In the area of research, we have established the Institute for International Advanced Research and Education, which is designed to provide future generations of researchers with the advanced knowledge and creative skills they will need to provide scientific leadership in the 21<sup>st</sup> century. In addition, "WPI Advanced Institute for Material Research (WPI-AIMR)" was also established as

part of the World Premier International Research Center Initiative (WPI). In addition to our 12 Global COE (Center of Excellence) Program, we have had two programs selected by the Funding Program for World-Leading Innovative R&D on Science and Technology.

In other areas, we are making our presence better known internationally through membership in organizations such as APRU (Association of Pacific Rim Universities), T.I.M.E. (Top Industrial Managers for Europe), and AEARU (Association of East Asian Research Universities), and we are facilitating the creation of new venture businesses by promoting cooperation between the university and the private sector. Steps are being taken to create world-class campuses open to students from around the world. We are pursuing a number of other highly original strategies, such as the development of a modern personnel management system to improve our international competitiveness, being externally evaluated by the European University Association, and the establishment of a Tohoku University Endowment Fund. All of these developments are helping to foster a sense of pride in the uniqueness of our institution, and are indicative of how our teaching and administrative staff, student body, and alumni have all pulled together to advance the interests of the university. These accomplishments give me a great deal of satisfaction.

2010 – Even universities must question their raison d'etre when faced with the tide of sudden changes on the unprecedented scale that we are facing. Tohoku University has been entrusted to create a center of research and education capable of serving the needs of humankind. In order to do that it is imperative that we increase further the pace of reform and continue demonstrating the essence of "Research First", as well as the perseverance and sincerity that are necessary to continually create a new state of education and research.

I believe that by helping all our stakeholders to understand our mission and the various activities carried out at Tohoku University, and by actively seeking the cooperation of a wide variety of peoples as we face the challenges before us, we will become a university that is trusted, respected, and loved by society, and one which is truly capable of serving the needs of humanity.

June 2010

Akihisa Inoue President, Tohoku University

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



Aiming to create a clearer identity and enhance its international recognition and status, Tohoku University unveiled its official school symbol, colors and song in June 2007.

With the key concepts of 'creativity', 'globality' and 'tradition' in mind, the university adopted the 'Hagi' (Bush clover) plant, a traditional symbol of Sendai and Miyagino, as its school symbol. The Hagi, which has also been used in the school logo since 2005, represents a dynamic movement spreading throughout the world with dignity.

The colors purple and black were selected as Tohoku University's official colors. Purple, which is used in the school symbol, symbolizes intelligence and creativity, while black represents diligence and the power of practice.

Ever since its foundation in 1907, Tohoku University has been committed to its 'Research first' and 'Open door' policies. It has accepted diverse talent from across the world, and has striven to develop leadership talent and cutting-edge research. On the basis of these traditions, it is hoped that the school symbol will express the essence of Tohoku University's past and future as a world class research and educational institution.

'Aobamoyuru konomichinoku' was selected as the official song of Tohoku University. This beloved song was originally sung by the Tohoku University Students' Association in 1953 and has been passed down the generations since then.

#### 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)

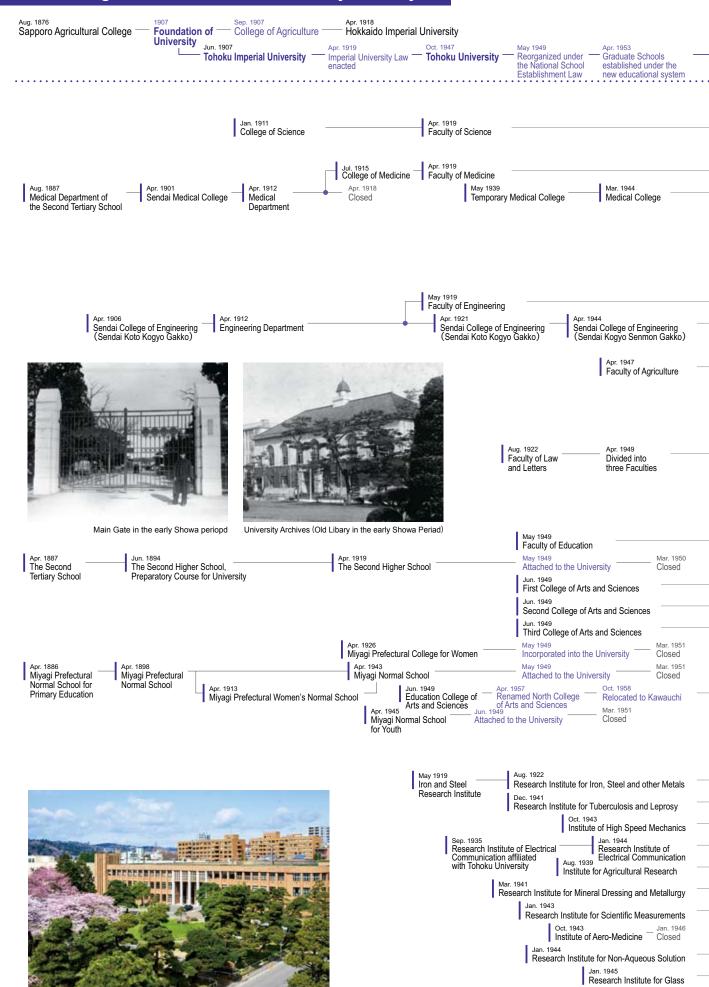
## **Japan Academy Members**

## Japan Academy Members

Inducted		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
	Nyololii Tauka	i dodity of Law and Letters

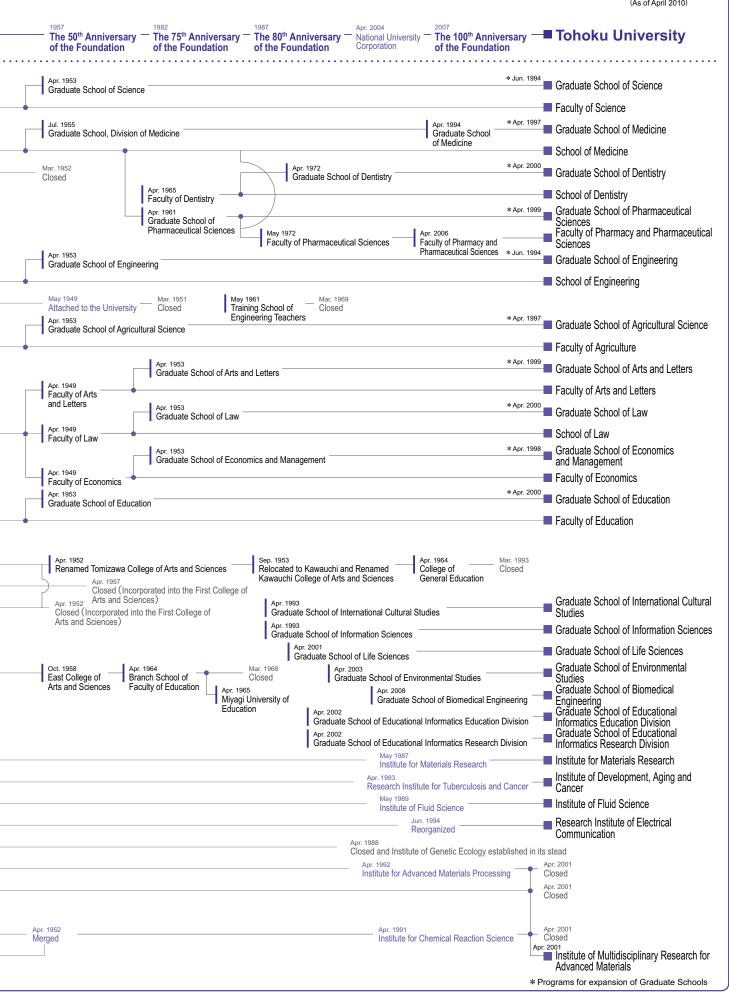
1964         Zennosuke Nakagawa         Faculty of Law and Letters           1965         Yoshie Okazaki         Faculty of Law and Letters           1965         Toshio Kurokawa         Faculty of Medicine           1965         Tomizo Yoshida         Faculty of Medicine           1966         Fukusaburo Numachi         Faculty of Engineering           1966         Teizo Ogawa         Faculty of Medicine           1966         Tsuneo Hori         Faculty of Law and Letters           1967         Kameji Kimura         Faculty of Law           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         Munio Kotake         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           1977         Kozo Okamoto         Faculty of Medicine           1977         Kenzo Nagai         Faculty of Engineering           1977 <th>Inducted</th> <th>Name</th> <th>Affiliation</th>	Inducted	Name	Affiliation
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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 School 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	1979	Yotsuo Toriyama	Faculty of Engineering
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 School 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	1981	Shinji Takahashi	Faculty of Medicine
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 School 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	1983	Yokichi Yajima	Faculty of Arts and Letters
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1992 Hiroshi Tsuji Faculty of Engineering 1994 Hidesato Ito Institute of High Speed Mechanics 1994 Shigeru Oda School 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	1986	Hisao Kumagai	Faculty of Economics
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1994 Shigeru Oda School 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	1992	Hiroshi Tsuji	Faculty of Engineering
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	1994	Hidesato Ito	Institute of High Speed Mechanics
1996 Tatsuro Matsumoto Faculty of Agriculture 1996 Takeo Yokobori School of Engineering 1997 Koichi Hiwatashi Faculty of Science	1994	Shigeru Oda	School of Law
1996 Takeo Yokobori School of Engineering  1997 Koichi Hiwatashi Faculty of Science	1995	Jun-ichi Nishizawa	Research Institute of Electrical Communication
1997 Koichi Hiwatashi Faculty of Science	1996	Tatsuro Matsumoto	Faculty of Agriculture
· ·	1996	Takeo Yokobori	School of Engineering
1998 Rokuva Suzuki Faculty of Law	1997	Koichi Hiwatashi	Faculty of Science
	1998	Rokuya Suzuki	Faculty of Law
2000 Yoichi Higuchi Faculty of Law	2000	Yoichi Higuchi	Faculty of Law
2001 Ryoen Minamoto Faculty of Arts and Letters	2001	Ryoen Minamoto	Faculty of Arts and Letters
2002 Osamu Kaneya Faculty of Arts and Letters	2002	Osamu Kaneya	Faculty of Arts and Letters
2003 Shunichi Iwasaki Research Institute of Electrical Communication	2003	Shunichi Iwasaki	Research Institute of Electrical Communication
2006 Koichi Tanaka School of Engineering	2006	Koichi Tanaka	School of Engineering
2006 Akihisa Inoue Institute for Materials Research	2006	Akihisa Inoue	Institute for Materials Research

### **Chronological Chart of Tohoku University's history**



Katahira Campus

(As of April 2010)



#### Nobel Laureate

Year Awarded	Recipient	Affiliation
1987	Hans Heinrich Rohrer	Visiting Professor, Institute for Materials Research; Honorary Doctor
1999	99 Ahmed 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 Persons 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 is 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 (the highest being the 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)	Persons of Cultural Merit Award	Recipient	Affiliation	Order of Culture (Year Awarded)	Persons 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	2008	2002	Donald Keene	Visiting Professor, Faculty of Arts and Letters; Honorary Doctor
1949	1951	Riko Majima	Faculty of Science	2009	1986	Yorio Hinuma	Faculty of Dentistry
1949	1951	Takematsu Okada	Faculty of Science	2009	2003	Sumio lijima	Research Institute for Scientific Measurements
1950	1951	Hajime Tanabe	Faculty of Science		1954	Shonen Matsumura	College of Agriculture
1950	1951	Bansui Tsuchii	Faculty of Law and Letters		1958	Satomi Takahashi	Faculty of Law and Letters
1952	1952	Taizo Kumagai	Research Institute for Tuberculosis and Leprosy		1959	Seiya Ito	College of Agriculture
1953	1952	Hisakatsu Yabe	Faculty of Science		1960	Yoshio Takeuchi	Faculty of Law and Letters
1953	1952	Hakuju Ui	Faculty of Law and Letters		1963	Ryuzaburo Hara	Research Institute for Non- Aqueous Solution
1954	1954	Yusuke Hagihara	Faculty of Science		1965	Masaichi Majima	Faculty of Science
1955	1955	Hakaru Masumoto	Research Institute for Iron, Steel and other Metals		1970	Yasushi Watanabe	Research Institute of Electrical Communication
1956	1956	Takejiro Murakami	Research Institute for Iron, Steel and other Metals		1976	Tetsu Sakamura	College of Agriculture
1956	1956	Hidetsugu Yagi	Faculty of Engineering		1976	Fukusaburo Numachi	Institute of High Speed Mechanics
1957	1953	Yoshio Yamada	Faculty of Law and Letters		1978	Takeshi Takei	Faculty of Science
1958	1958	Tetsuo Nozoe	Faculty of Science		1985	Yensho Kanakura	Faculty of Arts and Letters
1959	1959	Tomizo Yoshida	Faculty of Medicine		1987	Shunichi lwasaki	Research Institute of Electrical Communication
1964	1964	Seiji Kaya	Research Institute for Iron, Steel and other Metals		1992	Yunoshin Imai	Institute for Materials Research
1965	1965	Shiro Akabori	Faculty of Science		1992	Kinji Shimada	Faculty of Law and Letters
1968	1968	Toshio Kurokawa	Faculty of Medicine		2000	Takeo Yokobori	School of Engineering
1971	1971	Takuma Yasui	Faculty of Economics		2000	Tsuyoshi Masumoto	Institute for Materials Research
1973	1962	Ken Ishihara	Faculty of Arts and Letters		2003	Yasuo Iwata	Faculty of Arts and Letters
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				

(As of May 2010)

## Japan Academy Prize

	Year Awarded	Name	Affiliation
	1914 (4th)	Shirota Kusakabe	Faculty of Science
	1916 (6th)	Kotaro Honda	Research Institute for Iron, Steel and other Metals
	1917 (7th)	Riko Majima	Faculty of Science
	1918 (8th)	Keita Shibata	College of Agriculture
$\frac{\circ}{\circ}$	1919 (9th)	Jun Ishihara	
$\overline{}$			Faculty of Science
	1919 (9th)	Koichi Ichikawa	College of Agriculture
	1921 (11th)	Gennosuke Fuse	Faculty of Medicine
	1921 (11th)	Hikoshichiro Matsumoto	Faculty of Science
	1925 (15th)	Shinkishi Hatai	Faculty of Science
$\frac{\triangle}{\cdot}$	1925 (15th)	Takeshi Sone	Research Institute for Iron, Steel and other Metals
	1927 (17th)	Takejiro Murakami	Research Institute for Iron, Steel and other Metals
	1928 (18th)	Soichi Kakeya	Faculty of Science
	1931 (21st)	Hakuju Ui	Faculty of Law and Letters
	1931 (21st)	Hakaru Masumoto	Research Institute for Iron, Steel and other Metals
$\triangle$	1932 (22nd)	Shintaro Uda	Faculty of Engineering
$\triangle$	1933 (23rd)	Hiroshi Nomura	Faculty of Science
	1934 (24th)	Yoshiaki Tadokoro	Faculty of Science
	1935 (25th)	Saburo Unno	Faculty of Science
0	1936 (26th)	Tomizo Yoshida	Faculty of Medicine
$\triangle$	1936 (26th)	Toshio Hoshino	Faculty of Science
	1940 (30th)	Tario Kikuta	Provisional Institute of Physical and Chemical Research
0	1941 (31st)	Kinjiro Okabe	Faculty of Engineering
_	1941 (31st)	Terutaro Ogata	Faculty of Science
	1942 (32nd)	Seiji Kaya	Research Institute for Iron, Steel and other Metals
	1943 (33rd)	Gyokujo Kihara	Faculty of Medicine
	1944 (34th)	Munio Kotake	
			Faculty of Science
	1944 (34th)	Hiroshi Terao	Institute of Agricultural Research
	1946 (36th)	Hakaru Masumoto	Research Institute for Iron, Steel and other Metals
	1947 (37th)	Masaichi Majima	Faculty of Science
	1950 (40th)	Fukusaburo Numachi	Institute of High Speed Mechanics
	1951 (41st)	Teizo Ogawa	Faculty of Medicine
	1952 (42nd)	Jitsusaburo Sameshima	Faculty of Science
	1953 (43rd)	Yensho Kanakura	Faculty of Arts and Letters
	1953 (43rd)	Tetsuo Nozoe	Faculty of Science
	1953 (43rd)	Masao Naruse	Faculty of Engineering
	1953 (43rd)	Tomizo Yoshida	Faculty of Medicine
	1954 (44th)	Koichi Motokawa	Faculty of Medicine
	1955 (45th)	Yensho Kanakura	Faculty of Arts and Letters
	1955 (45th)	Ryujo Yamada	Faculty of Arts and Letters
	1955 (45th)	Hakuyu Hadano	Faculty of Arts and Letters
	1955 (45th)	Tokan Tada	Faculty of Arts and Letters
	1955 (45th)	Shiro Akabori	Faculty of Science
	1956 (46th)	Ichiro Hori	Faculty of Arts and Letters
	1957 (47th)	Yutaka Orimo	Faculty of Law
$\overline{}$	1957 (47th)	Hajime Nakamura	Faculty of Arts and Letters
<u> </u>	1959 (49th)	Osamu Takata	Faculty of Arts and Letters
	1960 (50th)	Osamu Takata	Faculty of Arts and Letters
$\frac{\circ}{\circ}$			
$\overline{}$	1960 (50th)	Tsugio Miya	Faculty of Arts and Letters  Peccareh Institute for Iron, Steel and other Metals
	1960 (50th)	Eizo Kanda	Research Institute for Iron, Steel and other Metals
	1961 (51st)	Tomoo Sato	Faculty of Engineering
	1961 (51st)	Eikichi Iso	Faculty of Agriculture
	1963 (53rd)	Harujiro Sekiguchi	Research Institute for Iron, Steel and other Metals
	1967 (57th)	Yunoshin Imai	Research Institute for Iron, Steel and other Metals

\* Continued on page 11

#### Japan Academy Prize

Year	· Awarded	Name	Affiliation
196	88 (58th)	Yoshio Kato	Faculty of Science
196	88 (58th)	Makoto Kandatsu	Institute for Agricultural Research
196	9 (59th)	Mitsuo Miyata	Faculty of Law
	69 (59th)	Usaburo Mizushima	Faculty of Agriculture
	70 (60th)	Giichi Yamamoto	Faculty of Science
	70 (60th)	Heisuke Hironaka	Faculty of Science
	71 (61st)	Takeo Yokobori	Faculty of Engineering
	72 (62nd)	Kozo Okamoto	Faculty of Medicine
-	73 (63rd)	Zenji Nishiyama	Research Institute for Iron, Steel and other Metals
	74 (64th)	Jun-ichi Nishizawa	Research Institute of Electrical Communication
	75 (65th)	Toshio Kitazumi	Faculty of Arts and Letters
	75 (65th)	Yoichi Higuchi	Faculty of Law
-	75 (65th)	Hidesato Ito	Institute of High Speed Mechanics
	75 (65th)	Takashi Kubota	Faculty of Science
* 197		Shinji Takahashi	Faculty of Medicine
197		Kinji Shimada	Faculty of Law and Letters
197		Shun-ichi Akasofu	
-			Faculty of Science  Faculty of Law and Letters
197		Taketoshi Sato	Faculty of Law and Letters  Faculty of Pharmacoutical Sciences
198		Tetsuji Kametani	Faculty of Pharmaceutical Sciences
198		Akira Kinoshita	Faculty of Economics
-	32 (72nd)	Shizuo Kakutani	Faculty of Science
	33 (73rd)	Tsuyoshi Masumoto	Research Institute for Iron, Steel and other Metals
	37 (77th)	Nakao Ishida	Faculty of Medicine
-	37 (77th)	Shunichi lwasaki	Research Institute of Electrical Communication
	37 (77th)	Yoshikatsu Tsuboi	Faculty of Engineering
	38 (78th)	Makoto Numata	Institute of Agricultural Research
	39 (79th)	Yorio Hinuma	Faculty of Dentistry
<u>* 199</u>		Koji Nakanishi	Faculty of Science
199		Hiroshi Tsuji	Faculty of Engineering
199		Hideji Suzuki	Institute for Materials Research
	93 (83rd)	Hajime Yamamoto	School of Dentistry
	93 (83rd)	Keiya Tada	School of Medicine
199		Goro Kikuchi	School of Medicine
<u>* 199</u>		Hideki Sakurai	Faculty of Science
199		Yasunari Maruyama	Faculty of Arts and Letters
	98 (88th)	Takane Sugihara	Faculty of Law
	)2 (92nd)	Sumio lijima	Research Institute for Scientific Measurements
	)2 (92nd)	Yasushi Kurihara	Faculty of Science
	)2 (92nd)	Akihisa Inoue	Institute for Materials Research
	)2 (92nd)	Kokichi Hinata	Faculty of Agriculture
	)3 (93rd)	Hiroshi Okamoto	School of Medicine
200	)3 (93rd)	Makoto Endo	School of Medicine
<u>* 200</u>	)4 (94th)	Takeshi Yasumoto	Faculty of Agriculture
200	)5 (95th)	Hideo Ohno	Research Institute of Electrical Communication
200	06 (96th)	Atsuto Suzuki	Graduate School of Science
200	7 (97th)	Koji Kato	Graduate School of Engineering
200	)7 (97th)	Asahiko Taira	Faculty of Science
<u>*</u> 200	9 (99th)	Tetsumi Murakami	Faculty of Arts and Letters
200	99th)	Sadafumi Kawato	Graduate School of Law
201	10 (100th)	Hiroshi Ohrui	Graduate School of Life Sciences
© 201	10 (100th)	Moritaka Nishihira	Graduate School of Life Sciences

 <sup>○</sup> The Imperial Prize (Japan Academy Prize) Recipients
 ※ Imperial Prize and Japan Academy Prize Recipients
 ◎ Duke of Edinburgh Prize (Japan Academy Prize) Recipients
 △ Osaka Mainichi Prize (Japan Academy Prize) Recipients

## **University Awards**

#### Recipients of the Presidential Prize for Research Excellence

This prize is given to academic staff of Tohoku University who have made a significant contribution to education, research and development of academic culture of Tohoku University.

Date	Name	Affiliation
September 25, 2009	Masataka Nakazawa	Professor, Research Institute of Electrical Communication
March 25, 2009	Sadafumi Kawato	Professor, Graduate School of Law
March 27, 2007	Koji Kato	Professor, Graduate School of Engineering
September 25, 2006	Akihisa Inoue	Professor, Director of Institute for Materials Research
July 31, 2006	Mitsumasa Koyanagi	Professor, Graduate School of Engineering
March 24, 2006	Atsuto Suzuki	Deputy President Professor, Graduate School of Science
November 26, 2005	Motoko Kotani	Professor, Graduate School of Science
June 29, 2005	Hideo Ohno	Professor, Research Institute of Electrical Communication

#### Recipients of the Presidential Prize for Educational Excellence

This prize is given to academic staff of Tohoku University who have made a significant contribution to education at Tohoku University by conducting and supporting classes and giving a educational guidance on activities and international cultural exchange.

#### 2009

Name	Affiliation
Spanish Language Committee	
Hideki E.Ishida Ryuzo Furukawa	Professor, Graduate School of Environmental Studies Assosiate Professor, Graduate School of Environmental Studies
Maki Suemitsu	Manager, Cultural Affairs of Tohoku University Students' Friendship Association Professor, Research Institute of Electrical Communication
Ryoichi Nagatomi	Manager, P.E. Affairs of Tohoku University Students' Friendship Association Professor, Graduate School of Medicine

#### 2008

	Name	Affiliation
Α	kira Sato	Associate Professor, Graduate School of Medicine
K	azuko Suematsu	Associate Professor, Graduate School of

#### 2007

Name	Affiliation
Masanori Hariyama	Associate Professor, Graduate School of Information
Mamoru Baba	Professor, Cyclotron and Radioisotope Center

#### Recipients of the Presidential Prize for Excellence (2009)

This prize recognizes students for their outstanding academic achievement.

#### Undergraduate

Makiko Konno	Faculty of Arts and Letters
Mikie Haga	Faculty of Arts and Letters
Azusa Isono	Faculty of Education
Naomi Miura	School of Law
Michiko Suzuki	School of Law
Tatsuya Koike	Faculty of Economics
Yurie Sato	Faculty of Economics
Satoshi Terada	Faculty of Economics
Kenta Tottori	Faculty of Science
Yukako Koriki	Faculty of Science
Haruka Asano	Faculty of Science
Masahiro Abe	School of Medicine
Kazuki Sato	School of Medicine
Takeshi Karube	School of Dentistry
Narumi Asano	Faculty of Pharmacy and Pharmaceutical Sciences
Kazushi Tanaka	School of Engineering
Hikaru Nishizaka	School of Engineering
Iulia Alexandra Prodan	School of Engineering
Shun Kanai	School of Engineering
Yuya Hiraga	School of Engineering
Daisuke Ishihara	School of Engineering
Keita Kawahira	School of Engineering
Kota Miura	School of Engineering
Naoki Suzuki	Faculty of Agriculture
Hiroki Matsuura	Faculty of Agriculture

#### Graduate (Master)

Tetsuya Yamamoto	Graduate School of Engineering
Naoto Abe	Graduate School of Engineering
Tatsuro Arai	Graduate School of Engineering
Mamada Keisuke	Graduate School of Biomedical Engineering

## Graduate (Profession) Takashi Osawa Gr

Takashi Osawa	Graduate School of Law	
Graduate (Doctor)		
Sota Hidaka	Graduate School of Arts and Letters	
Michika Takiyoshi	Graduate School of Education	
Chi Nghia Nguyen	Graduate School of Economics and Management	
Mamoru Tanaka	Graduate School of Science	
Kosuke Nakayama	Graduate School of Science	
Kaoru Sawazaki	Graduate School of Science	
Yuki Furuse	Graduate School of Medicine	
Shinichi Yamashita	Graduate School of Medicine	
Naru Shiraishi	Graduate School of Dentistry	
Bhuiyan MD. Shenuarin	Graduate School of Pharmaceutical Sciences	
Butsurin Jinnai	Graduate School of Engineering	
Shun Kumano	Graduate School of Engineering	
Masafumi Nanba	Graduate School of Engineering	
Tomonari Tanaka	Graduate School of Engineering	
Akira Shibata	Graduate School of Agriculture	
Liu, Zhenbin	Graduate School of International Cultural Studies	
Gopal Das	Graduate School of Information Sciences	
Kota Miyasaka	Graduate School of Life Sciences	
Daisuke Kodama	Graduate School of Environmental Studies	
Fumiko Konno	Graduate School of Educational Informatics Education Division	

## **University Awards**

#### Recipients of the Sawayanagi Prize

The Sawayanagi Prize is given to individuals or groups that have promoted gender equality in Tohoku University through gender related research and activities.

#### 2009

Name	Affiliation	Category
Miyuki Shimoebisu	Associate Professor, Graduate School of Arts and Letters	Research
Aoba Society for the Promotion of Science		Activity
Study Group for Working Women		Project
Miyako Yamasaki	Medical staff, hospital	Activity (Special Award)

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

This award is given to Chinese individuals or Chinese groups that made a significant contribution to the development of education and research at Tohoku University through academic exchange.

#### Tohoku University's Professor Fujino Award

Year	Name	Affiliation
2005	Sun Yi	Director, Beijing Lu Xun Museum

#### Tohoku Universiity Lu Xun Award

Year	Name	Affiliation
2004	Gu Binglin	President, Tsinghua University

#### 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
	Wang, Xiufang	Graduate school of Arts and Letters
	Zhulanqiqige	Gladuate school of Medicine
2009	Ma, Lin	Graduate School of Engineering
	Che, Jia	Graduate School of International Cultural Studies
	Wang, Hongxin	Graduate School of Life Sciences

#### **Recipients of the Honda Kotaro Memorial Prize**

This award is given to individuals or groups from other countries that have made a significant contribution to education and research at Tohoku University through academic exchange.

#### **Honda Kotaro Memorial Prize**

Year	Name	Nationality	Affiliation
	Patrick Bourgin	France	Director, Ecole Centrale de Lyon
	Fondation Renaul		
	Albert Prevos	France	Director, Centre international d'études pédagogiques
2006	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

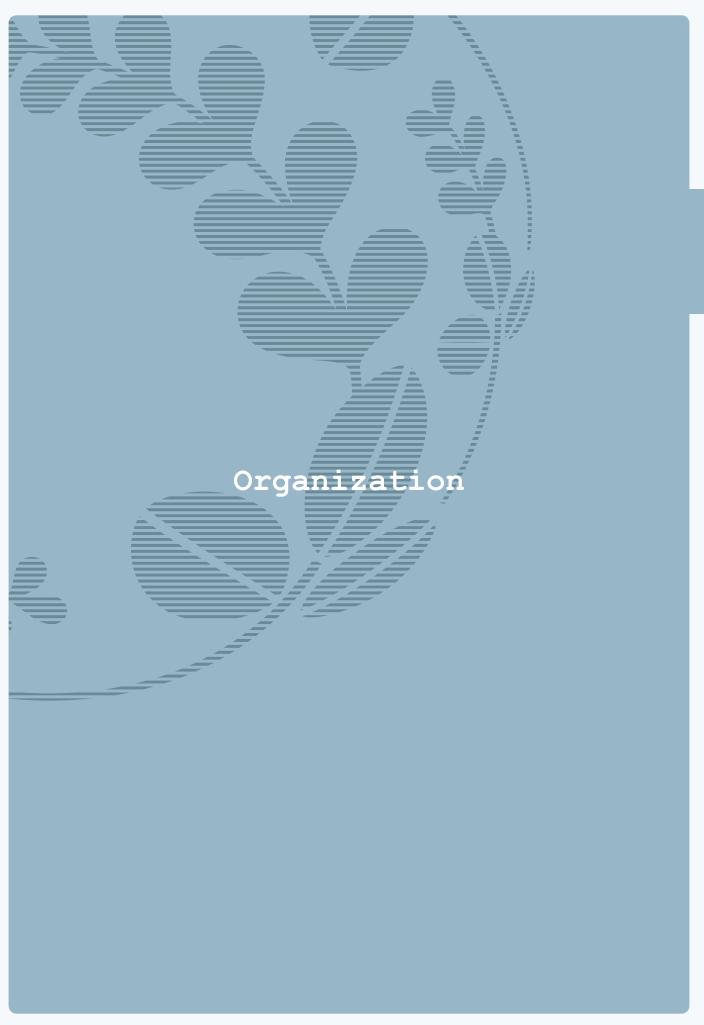
Year	Name	Nationality	Affiliation
	John L. Stollery	United Kingdom	Emeritus Professor, Cranfield University
2004	A. Lindsay Greer	United Kingdom	Professor, University of Cambridge
	Sir Robert Yewdall Jennings	United Kingdom	Former President, International Court of Justice

#### Recipients of the Students' Friendship Association Award (2009)

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

Name	Affiliation	
Motofumi Takahashi	Wind Music	
Yusuke Ohashi	Orienteering	
Hirohito Fujita	Kyudo	

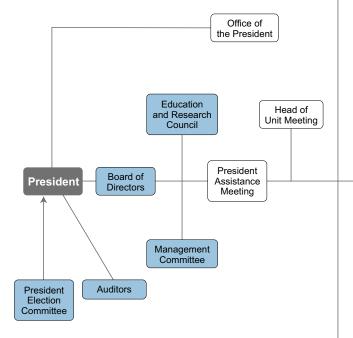
Name	Affiliation
Tomonori Uchiwa	Ballroom Dance
Stephaneyu Matsushita	Swimming
Takuma Imaizumi	Athletics Sports



#### University Governance and Academic Units



Aobayama Campus



Administration Bureau		
University Library		
University Hospital		
	Arts and Letters	
	Education	
	Law	
	Economics	
Faculties(10)	Science	
1 dedities (10)	Medicine	
	Dentistry	
	Pharmacy and Pharmaceutical Sciences	
	Engineering	
	Agriculture	
	Arts and Letters	
	Education	
	Law	
	Economics and Management	
	Science	
	Medicine	
	Dentistry	
Graduate	Pharmaceutical Sciences	
Schools (16)	Engineering	
	Agricultural Science	
	International Cultural Studies	
	Information Sciences	
	Life Sciences	
	Environmental Studies	
	Biomedical Engineering	
	Educational Informatics Research Division, Education Division	
Professional	Law School	
Graduate Schools (3)	School of Public Policy	
Schools (3)	Accounting School	
	Institute for Materials Research	
	Institute of Development, Aging and Cancer	
Research	Institute of Fluid Science	
Institutes (5)	Research Institute of Electrical Communication	
	Institute of Multidisciplinary Research for Advanced Materials	
Inter-Department Institutes for Education and Research (12)		
University Collaborating Institutions (14)		

(as of August 16, 2010) Administration Administration Bureau **Executive Vice President** Student Affairs Division (for Education and Information System) Instruction Division Admission Division Education and Student Support Student Services Division Department **Executive Vice President** Student Exchange Division (for Research and Environmental Security) Administrative Office for Career Support Senior Advisor to the President **Executive Vice President** Informatization Division Information (for Financial Affairs) Department Vice President Information Infrastructure Division Special Advisor International Exchange Division **Executive Vice President** Special Advisor (for Human Resources and to the President Personnel Administration, Campus Environment and Gender Equality) Office for Environmental Security Office of the President Research Cooperation Division Research **Executive Vice President** Cooperation (for Public Relations, Alumni Association Industry-University Department and Academic Information) Cooperation Division President General Affairs Division **Executive Vice President** Legal Affairs Division General (for Industry-University Cooperation) Affairs Department Public Relations Division Personnel Division Auditors **Executive Vice President** Office for Conflict of Interest Management **Finance Division Executive Vice President** (for General Affairs, Director, Office of the President) Fund Management Division Finance Department Property and Procurement Management Division Account Settlement Office Vice President (for Management of University Hospital) Facilities Planning Division **Facilities Estate Management Division** Department Estate Planning Division Vice President (for Legal Affairs) Audit Office

### **Organization Chart**

#### (As of April 1, 2010) **National University Corporation Tohoku University** Tohoku University Administration Bureau University Library Medical Library University Hospital Kita-Aobayama Library Engineering Library Faculties Arts and Letters Agricultural Library Education Law **Economics** Science Medicine Dentistry School of Dental Laboratory Technicians Pharmacy and Pharmaceutical Sciences Engineering Agriculture Graduate Arts and Letters Education Schools Research Center for Advanced Studies of Law and Policy Research and Analytical Center for Giant Molecules Law **Economics and Management** Center for Atmospheric and Oceanic Studies Science Research Center for Prediction of Earthquakes and Volcanic Eruptions Medicine Planetary Plasma and Atmospheric Research Center Dentistry Pharmaceutical Sciences Institute for Animal Experimentation Engineering Agricultural Science International Cultural Studies Center for Translational and Advanced Animal Research on Human Diseases **Experimental Station for Medicinal Plant Studies** Information Sciences Disaster Control Research Center Life Sciences Fracture and Reliability Research Institute **Environmental Studies** Research Center of Supercritical Fluid Technology Biomedical Engineering Educational Informatics Education Division Micro / Nano-Machining Research and Education Center Field Science Center Innovative Research Center for Agricultural Sciences **Educational Informatics** Research Division Research Center for Language, Brain and Cognition Internet School of Research Center for Marine Biology Tohoku University (ISTU) Professional Law School International Research Center for Nuclear Materials Science School of Public Policy **Graduate Schools** Advanced Research Center for Metallic Glasses Accounting School High Field Laboratory for Superconducting Materials Osaka Center for Industrial Materials Research Institute for Materials Research (Joint Usage / Research Center) Research Cell Resource Center for Biomedical Research Institutes Institute of Development, Aging and Cancer (Joint Usage / Research Center) Center for Advanced Genome Research Smart Ageing International Research Center Institute of Fluid Science — (Joint Usage / Research Center) Transdisciplinary Fluid Integration Research Center Laboratory for Nanoelectronics and Spintronics Research Institute of Electrical Communication (Joint Usage / Research Center) Laboratory for Brainware Systems Research Center for 21st-Century Information Technology Institute of Multidisciplinary Research for Advanced Materials (Joint Usage / Research Center) Research Center for Sustainable Materials & Engineering Center for Advanced Microscopy and Spectroscopy Polymer Hybrid Materials Research Center Center for Advanced Nitride Technology Inter-Department Center for Northeast Asian Studies Research Center for Electron Photon Science Research Center for Neutorino Science Institutes for Education and Research Center for the Advancement of Higher Education (Joint Educational Development Center) Health Administration Center University Counseling Center Admission Center The Center for Academic Resources and Archives International Advanced Research and Education Organization Center for Career Support Center for Professional Development Center for Information Technology in Education The Tohoku University Museum Tohoku University Archives Cyclotron and Radioisotope Center New Industry Creation Hatchery Center (NICHe) **Botanical Gardens** Center for Interdisciplinary Research Institute for International Advanced Research and Education Institute for International Advanced Interdisciplinary Research Technology Center for Research and Education Activities Center for Low Temperature Science High-Voltage Electron Microscope Laboratory Cyberscience Center (Joint Usage / Research Center) **Technical Support Center** University Office of Cooperative Research and Development Collaborating Office for Strategic Promotion of Basic Research Institutions Environment Conservation Research Institute Center for International Exchange Archaeological Research Office on the Campus Center for Laboratory Animal Research Center for Gene Research Center for Environmental Conservation and Research Safety

Global Operations Centre Campus Planning Office

Innovative Leaders Platform
Institute for International Education
The Office of Japan-Russia Relations
Institute of Liberal Arts and Sciences

Information Synergy Organization
Micro System Integration Center (µSIC)
Center for Spintronics Integrated Systems

Innovation of New Biomedical Engineering Center

Division of Engineering and Technical Staff

WPI Advanced Institute for Materials Research (WPI-AIMR)

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## Administrative Staff

(as of August 16, 2010)

President	Akihisa Inoue	Special Advisor to the President	Hideaki Kobayashi
Executive Vice President (for General Affairs), Director, Office of the President	Yukihisa Kitamura	Special Advisor to the President	Keiichi Edamatsu
Executive Vice President (for Education and	.,	Special Advisor to the President	Hidetoshi Oikawa
Information System)	Yoshiaki Nemoto	Special Advisor to the President	Makoto Okumura
Executive Vice President (for Research and	Toshio lijima	Senior Advisor to the President	Heihachiro Amano
Environmental Security)	•	Senior Advisor to the President	Kentaro Ohyama
Executive Vice President (for Financial Affairs)	Toshiya Ueki	Senior Advisor to the President	Hiroshi Okamoto
Executive Vice President (for Human Resources and Personnel Administration,	Masamichi Kono	Senior Advisor to the President	Shigeru Oda
Campus Environment and Gender Equality)	Wasamiem Rono	Senior Advisor to the President	Yasuyuki Katsumata
Executive Vice President (for Public Relations,	Keiichi Noe	Senior Advisor to the President	Marty Kuehnert
Alumni Association and Academic Information)		Senior Advisor to the President	Kazuhiko Sugiyama
Executive Vice President (for Industry- University Cooperation)	Hiroshi Kazui	Senior Advisor to the President	Richard Dasher
Executive Vice President	Masaharu Hino	Senior Advisor to the President	Masud Behnia
Auditor	Hachiro Nakanishi	Senior Advisor to the President	Tsuyoshi Masumoto
		Senior Advisor to the President	Toshiaki Yashima
Auditor	Tomoo Nishikawa	Special Advisor (for Entrance Exam)	Asao Ando
Vice President (for Management of University Hospital)	Susumu Satomi	Special Advisor (for Student Support)	Atsushi Higashitani
Vice President (for Legal Affairs)	Eiji Hyodo	Special Advisor (for Student Support)	Naoki Odanaka
Vice President	Masayuki Yamamoto	Special Advisor (for COI Management)	Akio Nishizawa
Vice President	Masaru Uchiyama	Special Advisor (Alumni Association)	Shigenao Maruyama
Vice President	Masuo Okada	Special Advisor (for Gender Equality)	Noriko Osumi
		Special Advisor (for International Affairs)	Toshio Sakurai
Vice President Vice President	Akihiro Kijima Atsushi Higashitani	Distinguished Professor	Teruo Asakawa
		Distinguished Professor	Kunio Inoue
Special Senior Advisor to the President	Hiroyuki Yoshikawa		
Office of the President	At the transfer	Distinguished Professor	Noriko Osumi
Special Advisor to the President	Akihiro Kijima	Distinguished Professor	Eiji Ohtani
Special Advisor to the President	Eiji Hyodo	Distinguished Professor	Hideo Ohno
Special Advisor to the President	Hiroshi Abe	Distinguished Professor	Yoshitomo Oka
Special Advisor to the President	Katsutoshi Mizuhara	Distinguished Professor	Ryuta Kawashima
Special Advisor to the President	Jiro Akita	Distinguished Professor	Motoko Kotani
Special Advisor to the President	Masahiko Fujimoto	Distinguished Professor	Takashi Kobayashi
Special Advisor to the President	Motoko Kotani	Distinguished Professor	Eimei Sato
Special Advisor to the President	Tadahiro Hayasaka	Distinguished Professor	Motoyuki Sato
Special Advisor to the President	Masahiro Yamaguchi	Distinguished Professor	Yoshimichi Sato
Special Advisor to the President	Kazuhiko Igarashi	Distinguished Professor	Seiji Samukawa
Special Advisor to the President	Sadayoshi Ito	Distinguished Professor	Tetsuo Shoji
Special Advisor to the President	Tooru Shimosegawa	Distinguished Professor	Miyoko Tsujimura
Special Advisor to the President	Nobuhiro Takahashi	Distinguished Professor	Tetsuya Terasaki
Special Advisor to the President	Kohji Fukunaga	Distinguished Professor	Nobuhiko Terui
Special Advisor to the President	Junichi Koike	Distinguished Professor	Masataka Nakazawa
Special Advisor to the President		Distinguished Professor	Tohru Nakashizuka
Special Advisor to the President	Hirotsugu Takizawa	Distinguished Professor	Masahiro Hirama
'	Yuko Harayama	Distinguished Professor	Shigenao Maruyama
Special Advisor to the President	Hiroo Yugami		
Special Advisor to the President	Koji Takenaka	Distinguished Professor	Kensaku Mizuno
Special Advisor to the President	Takafumi Aoki	Distinguished Professor	Katsutoshi Mizuhara
Special Advisor to the President	Tatushi Muta	Distinguished Professor	Tokuji Miyashita
Special Advisor to the President	Tetsuya Nagasaka	Distinguished Professor	Akira Miyamoto
Special Advisor to the President	Satoshi Uda	Distinguished Professor	Masayuki Yamamoto
Special Advisor to the President	Takashi Goto	Distinguished Professor	Hiroshi Yoshino
Special Advisor to the President	Yasufumi Sato		
■ Administration Bureau			
【General Affairs Department】		[Research Cooperation Department]	
General Manager	Hisao Otomo		
[Education and Student Support Department]		[Facilities Department]	
Director	Shuichi Takahashi	Director	Kazuyoshi Nishikawa
【Finance Department】		[Information Department]	,
Director	Shinichi Sekine		
■ Graduate Schools / Faculties			
Graduate School / Faculty of Arts and Let	ters]	【Graduate School of Pharmaceutical Sciences / Faculty of Pharm	nacy and Pharmaceutical Sciences
Dean	Masahiro Hanato	Dean	Akira Naganuma
【Graduate School / Faculty of Education】	douinio i idriato	[Graduate School / School of Engineering	
Dean	Fiichi Miyakoshi	Dean Total date Scribbing Scribbing Dean	
Graduate School / School of Law	Eiichi Miyakoshi		Masaru Uchiyama
	Llidaaki Carinawa	[Graduate School of Agricultural Science	
Dean	Hideaki Serizawa	Dean Tour to Oak and of International Oak and	Tomoyuki Yamaya
_	t / Faculty of Economics]	Graduate School of International Cultural	
Graduate School of Economics and Managemen		Deen	Eumio Kahayaahi
【Graduate School of Economics and Managemen Dean	Yoshihiko Tsukuda	Dean	Fumio Kobayashi
【Graduate School of Economics and Managemen Dean	Yoshihiko Tsukuda	Graduate School of Information Sciences	s]
[Graduate School of Economics and Managemen Dean [Graduate School / Faculty of Science]			s]
[Graduate School of Economics and Managemen Dean [Graduate School / Faculty of Science] Dean	Yoshihiko Tsukuda	[Graduate School of Information Sciences	s]
[Graduate School of Economics and Managemen Dean [Graduate School / Faculty of Science] Dean [Graduate School / School of Medicine] Dean	Yoshihiko Tsukuda	[Graduate School of Information Sciences	
[Graduate School of Economics and Managemen Dean [Graduate School / Faculty of Science] Dean [Graduate School / School of Medicine]	Yoshihiko Tsukuda Kimio Hanawa	[Graduate School of Information Sciences Dean [Graduate School of Life Sciences]	Michitaka Kameyama  Kensaku Mizuno

[Graduate School of Biomedical Engineering] [Graduate School of Educational Informatics Research Division] Shinichi Watabe Masaaki Sato [Graduate School of Educational Informatics Education Division] Shinichi Watabe ■ Research Institutes [Institute for Materials Research] [Research Institute of Electrical Communication] Mitsuo Niinomi Masataka Nakazawa [Institute of Development, Aging and Cancer] [Institute of Multidisciplinary Research for Advanced Materials] Hiroshi Fukuda Director Junichi Kawamura [Institute of Fluid Science] Toshiyuki Hayase ■ University Library [University Library] Keiichi Noe ■ University Hospital [University Hospital] Susumu Satomi ■ Inter-Department Institutes for Education and Research [Center for Northeast Asian Studies] [Botanical Gardens] Motoyuki Sato Mitsuo Suzuki [Research Center for Electron Photon Science] [International Advanced Research and Education Organization] Hajime Shimizu Toshiaki Ikohagi [Research Center for Neutorino Science] [Institute for International Advanced Research and Education] Kunio Inoue Satoshi Ihara [Center for the Advancement of Higher Education] [Institute for International Advanced Interdisciplinary Research] Akihiro Kijima Toshiaki Ikohagi [Health Administration Center] [Center for Information Technology in Education] Wataru Hida Hiroki Shizuya [University Counseling Center] [Cyclotron and Radioisotope Center] Akihiro Kijima Keizo Ishii [Admission Center] [New Industry Creation Hatchery Center (NICHe)] Directo Asao Ando Akira Miyamoto Director [Center for Interdisciplinary Research] [Center for Career Support] Mitsuo Niinomi Akihiro Kijima [Center for Professional Development] [Technology Center for Research and Education Activities] Takeshi Hata Toshio lijima Director [The Center for Academic Resources and Archives] [Center for Low Temperature Science] Tohru Nakashizuka Haruyoshi Aoki [The Tohoku University Museum] [High-Voltage Electron Microscope Laboratory] Toshio Yanaqida Toyohiko Konno Director Director [Tohoku University Archives] [Cyberscience Center] Nobuhiro Satou Hiroaki Kobayashi Directo ■ University Collaborating Institutions [Office of Cooperative Research and Development] [Center for Environmental Conservation and Research Safety] Hiroshi Kazui Toshio lijima [Office for Strategic Promotion of Basic Research] [Global Operations Centre] Yukihisa Kitamura Toshio lijima [Environment Conservation Research Institute] [Campus Planning Office] Toshikuni Yonemoto Susumu Sugiyama Director Director [Innovation of New Biomedical Engineering Center] [Center for International Exchange] Yoshiaki Nemoto Susumu Satomi [Archaeological Research Office on the Campus] [Innovative Leaders Platform] Kaoru Akoshima Yoshiaki Nemoto Director Director [Center for Laboratory Animal Research] [Institute for International Education] Yoshiaki Nemoto Noriyuki Kasai [Center for Gene Research] [The Office of Japan-Russia Relations] Shinri Tamura Akihiro Kijima Director ■ Institute of Liberal Arts and Sciences Yoshiaki Nemoto ■ WPI Advanced Institute for Materials Research (WPI-AIMR) Yoshinori Yamamoto ■ Division of Engineering and Technical Staff Masamichi Kono ■ Information Synergy Organization Yôiti Suzuki ■ Micro System Integration Center (µSIC) Masayoshi Esashi ■ Center for Spintronics Integrated Systems Hideo Ohno

Director

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

(as of August 16, 2010)

### President Election Committee

<b>External Members</b>	
Heihachiro Amano	Chairman, Automobile Business Association of Miyagi
Teruo Kishi	NIMS Advisor, National Institute for Materials Science
Reiko Kuroda	Professor, Graduate School of Arts and Sciences, The University of Tokyo
Hiroaki Takahashi	Repersentative Director & President, Tohoku Electric Power co., INC
Kyuzo Nakamura	President and CEO, ULVAC, Inc.
Tetsuro Higashi	Chairman and CEO, Tokyo Electron Limited

Internal Members	
Masayuki Yamamoto	Vice President Dean, Graduate School of Medicine
Masaru Uchiyama	Vice President Dean, Graduate School of Engineering
Eiichi Miyakoshi	Dean, Graduate School of Education
Keiichi Sasaki	Dean, Graduate School of Dentistry
Tomoyuki Yamaya	Dean, Graduate School of Agricultural Science
Toshiyuki Hayase	Director, Institute of Fluid Science

### **Board of Directors**

Akihisa Inoue	President
Yoshiaki Nemoto	Executive Vice President
Toshio lijima	Executive Vice President
Toshiya Ueki	Executive Vice President

Masamichi Kono	Executive Vice President
Keiichi Noe	Executive Vice President
Hiroshi Kazui	Executive Vice President
Masaharu Hino	Executive Vice President

### Management Committee

External Members	
Heihachiro Amano	Chairman, Automobile Business Association of Miyagi
Yuichiro Anzai	Adviser, Keio University Professor, Faculty of Science and Technology, Keio University
Emiko Okuyama	Mayor of Sendai
Motoyuki Ono	President, Japan Society for the Promotion of Science
Tadashi Onodera	President and Chairman, KDDI Corporation
Teruo Kishi	NIMS Advisor, National Institute for Materials Science
Takashi Kubota	President & CEO, Chiyoda Corporation
Reiko Kuroda	Professor, Graduate School of Arts and Sciences, The University of Tokyo
Ryoki Sugita	Chairman, Nikkei, Inc.
Shigeharu Suzuki	President & CEO, Daiwa Securities Group Inc.
Satoshi Seino	President and CEO, East Japan Railway Company
Hiroaki Takahashi	Repersentative Director & President, Tohoku Electric Power co., INC Chairman, Tohoku Economic Federation
Atsuko Toyama	President, New National Theatre 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
Naozumi Furukawa	President & CEO, Zeon Corporation
Marc Dunoyer	President of Asia Pacific and Chairman of Japan, GlaxoSmithKline K.K.
Chugo Marumori	President, Sendai Chamber of Commerce and Industry Senior Adviser, The 77Bank, Ltd.
Yoshihiro Murai	Governor of Miyagi Prefecture

Internal Members				
Akihisa Inoue	President			
Yoshiaki Nemoto	Executive Vice President			
Toshio lijima	Executive Vice President			
Toshiya Ueki	Executive Vice President			
Masamichi Kono	Executive Vice President			
Keiichi Noe	Executive Vice President			
Hiroshi Kazui	Executive Vice President			
Masaharu Hino	Executive Vice President			
Yukihisa Kitamura	Executive Vice President (for General Affairs), Director, Office of the President			
Susumu Satomi	Vice President Director, University Hospital			
Eiji Hyodo	Vice President Deputy Director, Office of the President			
Masayuki Yamamoto	Vice President Dean, Graduate School of Medicine			
Masaru Uchiyama	Vice President Dean, Graduate School of Engineering			
Masuo Okada	Vice President Director, Evaluation and Analysis of University Activities			
Akihiro Kijima	Vice President Deputy Director, Office of the President			
Toshiaki Ikohagi	Director, International Advanced Research and Education Organization			



Aobayama Campus



Katahira Campus

Director, Research Institute of Electrical

Dean, Graduate School of Educational

Director, Institute of Multidisciplinary Research

Director, Center for Northeast Asian Studies Professor, Graduate School of Arts and

Professor, Graduate School of Education

Professor, Graduate School of Science

Professor, Graduate School of Medicine

Professor, Graduate School of Dentistry Professor, Graduate School of Pharmaceutical

Professor, Graduate School of Engineering Professor, Graduate School of Agricultural

Professor, Graduate School of International Cultural Studies

Professor, Graduate School of Information

Professor, Graduate School of Law Professor, Graduate School of Economics and Management

Communication

Letters

Sciences

Science

for Advanced Materials

Informatics Research Division

Masataka Nakazawa

Junichi Kawamura

Shinichi Watabe

Ken-ich Ohbuchi

Noriko Mizuno

Seiichi Otaki Hiroshi Fukumura

Sadayoshi Ito

Nobuhiro Takahashi

Yoshiteru Oshima

Tatsuo Omura

Makie Kokubun

Tsutomu Nunota

Koichiro Deguchi

Katsutoshi Mizuhara

Motoyuki Sato

### The Education and Research Council

Akihisa Inoue	President	
Yoshiaki Nemoto	Executive Vice President	
Toshio lijima	Executive Vice President	
Toshiya Ueki	Executive Vice President	
Masamichi Kono	Executive Vice President	
Keiichi Noe	Executive Vice President	
Hiroshi Kazui	Executive Vice President	
Masaharu Hino	Executive Vice President	
Yukihisa Kitamura	Executive Vice President Director, Office of the President	
Susumu Satomi	Vice President Director, University Hospital	
Eiji Hyodo	Vice President Deputy Director, Office of the President	
Masayuki Yamamoto	Vice President Dean, Graduate School of Medicine	
Masaru Uchiyama	Vice President Dean, Graduate School of Engineering	
Masuo Okada	Vice President Director, Evaluation and Analysis of University Activities	
Akihiro Kijima	Vice President Deputy Director, Office of the President	
Atsushi Higashitani	Vice President	
Masahiro Hanato	Dean, Graduate School of Arts and Letters	
Eiichi Miyakoshi	Dean, Graduate School of Education	
Hideaki Serizawa	Dean, Graduate School of Law	
Yoshihiko Tsukuda	Dean, Graduate School of Economics and Management	
Kimio Hanawa	Dean, Graduate School of Science	
Keiichi Sasaki	Dean, Graduate School of Dentistry	
Akira Naganuma	Dean, Graduate School of Pharmaceutical Sciences	
Tomoyuki Yamaya	Dean, Graduate School of Agricultural Science	
Fumio Kobayashi	Dean, Graduate School of International Cultural Studies	
Michitaka Kameyama	Dean, Graduate School of Information Sciences	
Kensaku Mizuno	Dean, Graduate School of Life Sciences	
Kazuyuki Tohji	Dean, Graduate School of Environmental Studies	
Masaaki Sato	Dean, Graduate School of Biomedical Engineering	
Mitsuo Niinomi	Director, Institute for Materials Research	
Hiroshi Fukuda	Director, Institute of Development, Aging and Cancer	
Toshiyuki Hayase	Director, Institute of Fluid Science	

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Daisuke Yamamoto	Professor, Graduate School of Life Sciences
Tomokazu Matsue	Professor, Graduate School of Environmental Studies
Hidetoshi Matsuki	Professor, Graduate School of Biomedical Engineering
Koki Takanashi	Professor, Institute for Materials Research
Toshiyuki Takai	Professor, Institute of Development, Aging and Cancer
Shigenao Maruyama	Professor, Institute of Fluid Science
Hideo Ohno	Professor, Research Institute of Electrical Communication
Hidetoshi Oikawa	Professor, Institute of Multidisciplinary Research for Advanced Materials
Hidetoshi Shimauchi	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, WPI Advanced Institute for Materials Research
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Kawauchi Campus



Aobayama Campus

## University Personnel

(as of May 1, 2010)

	Classification	President	Executive Vice Presidents	Auditors	Professors	Associate Professors	Senior Assistant Professors	Assistant Professors	Research Associates		Administrative/ Technical Staff	Grand Total
President		1										
Executive Vic	ce President		5 (1)	4 (4)								!
Auditor	Office of the Dresident			1 (1)					1	1	8	
	Office of the President General Affairs Department							1		<u> </u> 1		84
	Education and Student Support Department									0		7′
	Finance Department									0		8
	Research Cooperation Department									0		21
Administration	Facilities Department									0		47
Bureau	Information Department									0	24	24
	International Affairs Department									0	27	27
	Office for Environmental Security									0	5	
	Office for Conflict of Interest Management								1	1	1	
	Audit Office									0	7	
Graduate Scl	hool of Arts and Letters				40	36		17	2	95		113
	hool of Education				16			2		34		45
Graduate Scl					28			8		68	16	84
	hool of Economics and Management				36		1		4	62	_	77
	hool of Science				75		6			261	59	320
	hool of Medicine				92		23		21	319	40	359
	hool of Dentistry				22	7	9		10	99	15	114
	hool of Pharmaceutical Sciences				20		4			75		91
	hool of Engineering				116 38		2	126 31	8	350 114	98 24	448 138
	hool of Agricultural Science hool of International Cultural Studies							31	0	51	11	62
	hool of Information Sciences				35		3	25		93		106
	hool of Life Sciences				25		2			82		96
	hool of Environmental Studies				21	18		22		62		- 68
	hool of Biomedical Engineering				18			2		32		36
	hool of Educational Informatics				4		1	3		9		9
	Materials Research				23		1			111	36	147
	evelopment, Aging and Cancer				18		2			60		74
Institute of FI	- · · · · · · · · · · · · · · · · · · ·				15		5			39		51
Research Ins	stitute of Electrical Communication				26	18		28		72	14	86
Institute of Mult	tidisciplinary Research for Advanced Materials				43	30	5	64		142	25	167
	Main Library									0	33	33
University	Medical Library									0	8	8
Library	Kita-Aobayama Library									0		4
,	Engineering Library									0		9
	Agricultural Library									0		4
University Ho					6		65			302		1,832
	ortheast Asian Studies				10			7		24		24
	enter for Electron Photon Science				3			4		10	0	10
	enter for Neutorino Science				1 1 2		1			13		13
	e Advancement of Higher Education or Academic Resources and Archives				13 3		15	15 6		59 12		68 13
	dvanced Research and Educaiton Organization				1			26	_	29		31
	formation Technology in Education				2			20		8		- 3
	d Radioisotope Center				3			6		16		17
	Creation Hatchery Center				11			15		33		37
	terdisciplinary Research				3			10	'	7		7
Cyberscience					3			2		9		
	pperative Research and Development							_		0		į
	Conservation Research Institute				1			3	2	6		7
	ternational Exchange				3		1			4		į
	cal Research Office on the Campus									0		3
_	ronmental Conservation and Research Safety				1	1		1		3		
Global Opera										0	0	(
Campus Plar										0		
	New Biomedical Engineering Center				3	2		2	6	13		19
	eaders Platform									0		1
	nternational Education				1					8		
	beral Arts and Sciences				6					6		
	ed Institute for Materials Research				18	6	3	31	33	91	19	110
	ngineering and Technical Staff									0		437
	Synergy Organization					,		_		0		
	n Integration Center (µSIC)					1		3		2		
Regular Pers	ointronics Integrated Systems	1	5	1	932		140	1 003	_			5 926
	OUTILE	1	5	- 1	832	692	149	1,093	126	2,892	2,927	5,826

<sup>\*</sup> Counts include employees on leave status. 

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

### **Faculties**

Majors

Arts and Letters

**Humanities and Social Sciences** 

Education

Educational Science

Law

\_aw

**Economics** 

Economics Business Administration

Mathematics
Physics
Astronomy and Geophysics
Chemistry
Geoenvironmental Science
Earth and Planetary Materials Science
Biology

Medicine

Medicine Health Sciences

Dentistry

Dentistry

Pharmacy and Pharmaceutical Sciences

Pharmacy Pharmaceutical Sciences

Engineering

Mechanical and Aerospace Engineering Information and Intelligent Systems Applied Chemistry, Chemical Engineering and Biomolecular Engineering Materials Science and Engineering Civil Engineering and Architecture

Majors

Agriculture

Applied Bio-Sciences Applied Biological Chemistry

### **Graduate Schools**

Majors

Arts and Letters

Humane Studies Linguistic Studies Historical Studies Human Sciences

Education

Educational Science Educational Design and Measurement

Law

Law and Society (Law School) Public Law and Policy (School of Public Policy) Legal and Political Studies

Economics and Management Economics and Management Accountancy (Accounting School)

Science

Mathematics Physics Astronomy Geophysics Chemistry Earth Science

Medicine

Medical Sciences Disability Science Health Sciences

Dentistry

Dental Sciences

Nanomechanics

Pharmaceutical Sciences

Pharmaceutical Chemistry Bio-Pharmaceutical Science Life Science Molecular Pharmaceutical Science Life and Pharmaceutical Science

Mechanical Systems and Design

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

Majors

Biological Resource Sciences Life Science

Bioscience and Biotechnology for Future Bioindustries

International Cultural Studies

Agricultural Science

> Area Studies Intercultural Relations Language Studies

Information Sciences Computer and Mathematical Sciences System Information Sciences Human-Social Information Sciences Applied Information Sciences

Life Sciences

Biomolecular Sciences Developmental Biology and Neurosciences Environmental Life Sciences

**Environmental Studies** 

**Environmental Studies** 

Biomedical Engineering

Biomedical Engineering

Educational Informatics Education Division

**Educational Informatics** 

Educational Informatics Research Division

Professional Graduate Schools Law School School of Public Policy Accounting School

## Research Institutes

Institute	Department	Mission
Institute for Materials Research (Joint Usage / Research Center)	30 divisions	Experimental and Theoretical Studies of New Materials and their applications
Institute of Development, Aging and Cancer (Joint Usage / Research Center)	6 divisions	Basic and Clinical Studies of Cancer and Brain Diseases related to the aging process
Institute of Fluid Science (Joint Usage / Research Center)	5 divisions	Theoretical and Experimental Studies on Fluid Flows
Research Institute of Electrical Communication (Joint Usage / Research Center)	5 divisions	Theory and Application of Intelligent Information Science and Communications
Institute of Multidisciplinary Research for Advanced Materials (Joint Usage / Research Center)	5 divisions	Systematic and futuristic studies of new concepts, methodologies and processes related to advanced materials

## Inter-Department Institutes for Education and Research

Institute	Mission
Center for Northeast Asian Studies	To carry out regional interdisciplinary and integrated studies of North and East Asia, including Japan.
Research Center for Electron Photon Science	Using the various electron and photon beams produced via electron accelerators, we aim to promote fundamental study and applied research of the various classes of materials in nuclear physics, accelerator science and material science. Furthermore, through the development of new electron photon beams, we aim to break new ground in unexplored areas of research, develop new areas of research while nurturing researchers and technical experts in the various fields of electron photon science.
Research Center for Neutrino Science	To contribute to the advancement of particle physics, astrophysics and geophysics through observation of low-energy neutrinos and research experiments conducted in extremely low-level radioactive environments.
Center for the Advancement of Higher Education (Joint Educational Development Center)	To plan, promote, and support professional development, and to raise the level of knowledge and pedagogy in 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 widely available such materials for the advancement of education in society.
International Advanced Research and Education Organization	To create and promote research in new interdisciplinary areas, acquire new knowledge, and nurture talented young researchers who can make valuable contributions in these areas.
Center for Information Technology in Education	To promote information sciences education, multimedia education and distance learning, to provide digital services for undergraduate and graduate students, and to manage and develop information systems necessary for the achievement of these objectives.
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 the needs of 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	To 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 and to manage these facilities in order to make them available for common use by faculty and other qualified persons. 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 are shared widely both within and outside of the University through collaborations with campus wide departments, schools and institutions.
Cyberscience Center (Joint Usage / Research Center)	The Cybersience Center functions as both the Inter-Department Institution for Education and Research, and 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.

## University Collaborating Institutions

Institution	Mission					
Office of Cooperative Research and Development	To promote wide-ranging academic research, contribute to the creation of knowledge, and facilitate institutional management/utilization of research results as the university-owned intellectual properties. To contribute to the establishment of a mutually beneficial collaboration between industry, academia and government, and the furthed development of our society by providing 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.					
Environment Conservation Center	protect the environment by the correct disposal of all waste products including wastewater, spent oil and ot rmful waste (excluding radioactive waste) resulting from research activities conducted at this university. In additi- conduct research on the technologies needed to deal with the different types of waste, and develop technolog e 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	To investigate and research archeological findings on campus and plan for their preservation and use.					
Center for Laboratory Animal Research	To evaluate animal experimentation protocols conducted by the Environment/Security Committee and the Institutiona Animal Care and Use Committee, to encourage compliance of regulations and safe management in anima experimentation, and to provide education and training to people conducting animal experimentation, we aim to maintain the legality of animal experimentation in our university and promote safe management of animal experimentation through these operations.					
Center for Gene Research	To evaluate gene recombination research plans conducted by the Environment/Security Committee and the Gene Recombination Research Security Committee. To encourage compliance of regulations and safe management in gene recombination research, and to provide education and training to people conducting gene recombination. We also aim to maintain the legality of gene recombination research in our university and promote safe management of gene recombination research through these operations.					
Center for Environmental Conservation and Research Safety	Promoting and encouraging educational and research facilities on campus to manage environmental protection safety, and health.					
Global Operations Centre	GOC aims to pursue the following six priority tasks to enable the university to promote international exchange strategically and effectively: (1) create a university-wide international strategy (2) support and coordinate on unified international strategy implementation (3) strengthen international exchange communication (4) strengthen outreach skills (5) provide administrative staff with training in language and international exchange-related work (6) strengther support for overseas researchers and students.					
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 in its support and application of (1) achievement of basic research on medical equipment and material, (2) cel remedies and (3) drug-discovery in the clinical stage. It also nurtures human resources to carry out Translationa Research tasks.					
Innovative Leaders Platform	We aim to instill the young researchers at our university with practical knowhow and interpersonal skills, and foster human resources with a broad vision and creativity who are able to contribute to the development of industry.					
Institute for International Education	Our mission is to work together with related departments and Educational Affairs Council in creating an international learning environment through the planning, implementation and support of university-wide English education courses and courses where students can obtain a degree by taking classes only in English. In addition, by enhancing our system for accepting international students, we aim to instill in our students are international perspective, high-level education, specialist knowledge and practical skills, and foster leaders who will be active on the global scale.					
The Office of Japan- Russia Relations	To work together with related departments and promote university-level exchange with Russian institutions. To contribute to the development of global research and education networks through the establishment and operation of the Japanese Inter-university Russia Office under the MEXT Global 30 Program.					

## The Institute of Liberal Arts and Sciences

Mission

To provide students with a well-rounded education, the Institute of Liberal Arts and Sciences collaborates with the Center for the Advancement of Higher Education to implement and support liberal arts and general science education. Accordingly, the Institute of Liberal Arts and Sciences contributes to the cultivation of specialized human resources with a creative spirit and high level problem-solving skills.

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

Mission

As an international research center for 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 to sustainable development in the Japanese industrial economy, while maintaining a leading-edge and making progress in relevant academic fields.

## Division of Engineering and Technical Staff

Mission

The division organizes engineering and technical staff for academic studies and provides coordinated support to strengthen the infrastructure for education and research activities of Tohoku University. To this end, it promotes skill development and appropriate job assignment of the engineering and technical staff.

## **■** Information Synergy Organization

Mission

The Information Synergy Organization carries out planning, arranging, implementation, management and utilization 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 necessary operations to promote information security systems based upon the information infrastructures.

## ■ Micro System Integration Center (µSIC)

Mission

As an R&D center for Integration of micro-systems, we aim, through cooperation with industry, to promote the development of micro-system integration techniques, and to contribute to the strengthening of Japan's international competitiveness in the field of integrated circuits. In addition, we aim to apply the technologies in diverse fields such as information-communication, manufacturing, and medicine.

## ■ Center for Spintronics Integrated Systems

Mission

This center aims to contribute to the realization of a low-carbon and energy-saving society and to the strengthening of international competitiveness in the field of next generation VLSIs, through the development of innovative energy-saving logic VLSIs that fuse spintronics devices and logic-integrated circuits under the collaboration among industries, universities and government focusing on these technologies.

## University Library

Number of Volumes (as of March 31, 2010)

Classification		Types of Materials	Main Library	Medical Library	Kita-Aobayama Library	Engineering Library	Agricultural Library	Total
		Japanese	1,451,872	170,806	76,784	164,490	74,679	1,938,631
	Books	Foreign	1,122,089	257,244	297,355	177,209	61,317	1,915,214
Number of	Total	2,573,961	428,050	374,139	341,699	135,996	3,853,845	
Volumes	Volumes Periodicals	Japanese	24,767	4,714	2,149	3,670	3,897	39,197
		Foreign	16,627	8,982	6,975	4,115	1,909	38,608
		Total	41,394	13,696	9,124	7,785	5,806	77,805

Usage Statistics (FY2009)

Classification	Main Library	Medical Library	Kita-Aobayama Library	Engineering Library	Agricultural Library	Total
Visitors	631,938	199,091	72,437	135,224	51,932	1,090,622
External Readers	27,222	1,224	2839	172	74	31,531
Books for Loan	139,539	13,269	14,984	42,011	8,183	217,986
Reference Services	8,260	3,819	3,068	5,409	2,077	22,633
Information Retrieval Services	14,310	8,137	1,381	2,434	935	27,197
Literature Duplication	9,590	52,318	11,329	8,684	2,368	84,289

#### Collections

National Treasures	Shiki Kobun Hongi / Shiji Xiao Wen benji di shi v.10 (Heian Period) Ruiju kokushi v.25 (Heian Period)
Cherished Books (Total: 930 items)	Japanese books: 820 items (including 574 items of Kano Collection) Foreign books: 110 items
Major and     Special Collections	34 collections http://tul.library.tohoku.ac.jp/modules/coll/index.php?cat.id=5

## University Hospital

(as of April 1, 2010)

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

#### **Number of Patients**

(FY 2009)

Divisions/Inpatient Treatments	Total Number of Inpatients	Average Number of Inpatients per day
Medicine	385,471	1,056.1
Dentistry	9,142	25.0
Divisions/Outpatient Treatments	Total Number of Outpatients	Average Number of Outpatients per day
Medicine	541,296	2,236.8
Dentistry	127,032	524.9

#### **Advanced Medical Care**

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

Dental Implant Prosthesis

Assessment of Bone Strength using Finite Element Model Analysis with Quantitative CT

Artificial Urinary Sphincter Implantation for urinary incontinence



University Hospital

#### **Total Number**

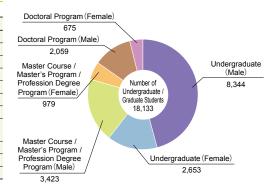
			Number of inc	Research Students Special Auditors		
Categories	Student Quota	Number of Students	Japanese Government Scholarships	Private Means	Sub Total	Special Research Students Special Students Intensive Japanese Language Program
Undergraduate Students	9,883	10,997 (2,653)	59	74	133	361
Graduate Students (Master Course / Master's Program / Profession Degree Program)	3,969	4,402 (979)	86	378	464	214
Graduate Students (Doctoral Program)	2,716	2,734 (675)	160	341	501	
Sub Total	16,568	18,133 (4,307)	305	793	1,098	575
Attached School	40	34 (15)	_	_	_	_
Research Institutes	_		_	_	_	34
Others	_		_	_	_	24
Grand Total	16,608	18,167 (4,322)	305	793	1,098	633

- 1. ( ) indicates the number of female students included in counts.
- 2. "Private Means" include foreign government funds.

#### Faculties

(as of May 1, 2010)

Faculties / Schools	Student Quota	Number of Students
Arts and Letters	840	978 (521) [12]
Education	280	309 (165) [4]
Law	640	694 (178) [2]
Economics	1,080	1,186 (231) [24]
Science	1,296	1,434 (214) [8]
Medicine	1,237	1,294 (519) [7]
Dentistry	330	340 (111) [0]
Pharmacy and Pharmaceutical Sciences	340	360 (108) [5]
Engineering	3,240	3,729 (365) [69]
Agriculture	600	673 (241) [2]
Total	9,883	10,997 (2,653) [133]



- 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, 2010)

(as of May 1, 2010)

Graduate Schools		ourse / Master's ssion Degree Pi	•	m /		Doctoral Progra	m	
Graduate Schools	Student Quota	Number o	f Stude	nts	Student Quota	Number o	f Stude	nts
Arts and Letters	178	182	(90)	[34]	135	201	(67)	[26]
Education	86	81	(47)	[8]	54	99	(55)	[11]
Law	380	312	(66)	[7]	60	45	(18)	[17]
Economics and Management	180	197	(80)	[78]	60	72	(23)	[30]
Science	524	561	(80)	[31]	390	277	(36)	[34]
Medicine	184	180	(95)	[15]	577	612	(175)	[51]
Dentistry	12	22	(15)	[2]	188	178	(59)	[6]
Pharmaceutical Sciences	111	166	(44)	[9]	78	64	(8)	[7]
Engineering	1,272	1,458	(125)	[102]	522	583	(47)	[173]
Agricultural Sciences	218	274	(92)	[19]	120	94	(21)	[15]
International Cultural Studies	96	89	(60)	[51]	114	100	(64)	[42]
Information Sciences	280	337	(44)	[57]	141	116	(20)	[29]
Life Sciences	212	217	(68)	[4]	141	107	(34)	[13]
Environmental Studies	150	215	(45)	[29]	91	122	(35)	[40]
Boimedical Engineering	62	77	(13)	[4]	30	47	(7)	[7]
Educational Informatics	24	34	(15)	[14]	15	17	(6)	[0]
Total	3,969	4,402	(979)	[464]	2,716	2,734	(675)	[501]

- 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, 2010)

School	Student Quota	Number of Enrollees	Number of Students	
School of Dental Laboratory Technicians	20 x 2 years	17 (11)	34 (15)	

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

(FY = Fiscal Year/Financial Year)



Tohoku University Festival

## **■** Result of Entrance Examination

(FY 2010) Faculties

Faculties / Schools		Student Quota	Number of Appli	cants	Number of Registered	Students
Arts and Letters		210	606	(313)	225	(120)
Education		70	171	(89)	74	(34)
Law		160	549	(147)	165	(43)
Economics		260	1,267	(233)	281	(51)
		20	69	《24》	18	《6》
Science		324	1,569	(242)	337	(52)
	Medicine	119	509	(95)	122	(11)
Medicine		144	462	(333)	153	(111)
	Health Sciences	16	46	《40》	4	《3》
Dentistry		55	195	(71)	60	(16)
Pharmacy and Pharmaceut	ical Sciences	80	247	(88)	82	(22)
Engineering		810	2,116	(244)	884	(81)
Agriculture		150	435	(155)	162	(55)
T-4	-1	2,382	8,126	(2,010)	2,545	(596)
Tot	aı	36	115	《64》	22	<b>《9》</b>

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

#### Graduate Schools

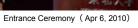
(FY 2010)

Gradi	uate Schools	Student Quota	Number of Applicants	<b>Number of Registered Students</b>
Arts and Letters	Master Course / Master Program	89	117 (67)	76 (44)
	Doctoral Program	45	41 (17)	29 (12)
Education	Master Course / Master Program Doctoral Program	43 18	105 (61) 25 (8)	37 (21) 17 (6)
	Master Course / Master Program	20	22 (7)	7 (5)
Law	Doctoral Program	20	9 (3)	5 (2)
	Profession Degree Program	110	344 (69)	109 (22)
Economics and	Master Course / Master Program Doctoral Program	50 20	80 (34) 13 (5)	40 (22) 11 (5)
Management	Profession Degree Program	40	68 (13)	30 (8)
	Master Course / Master Program	262	332 (43)	255 (31)
Science	Doctoral Program	130	87 (8)	86 (8)
	Master Program	40	47 (22)	32 (15)
Madiaina	Doctoral Program	130	139 (32)	128 (29)
Medicine	Master Course / Master Program	52	62 (37)	51 (29)
	Doctoral Program	21	32 (12)	28 (9)
Dentistry	Master Program	6	10 (6)	9 (6)
	Doctoral Program	47	46 (16)	43 (15)
Pharmaceutical Sciences	Master Program	54	79 (21)	73 (19)
	Doctoral Program	26	17 (1)	17 (1)
Engineering	Master Course / Master Program	636	832 (75)	713 (54)
	Doctoral Program	174	134 (9)	131 (8)
Agricultual Science	Master Course / Master Program Doctoral Program	109 37	182 (64) 26 (4)	138 (47) 26 (4)
International Cultural	Master Course / Master Program	48	83 (55)	44 (31)
Studies	Doctoral Program	38	28 (19)	20 (17)
Information Sciences	Master Course / Master Program	140	182 (16)	147 (14)
Information ociences	Doctoral Program	42	23 (3)	20 (2)
Life Sciences	Master Course / Master Program	106	137 (40)	108 (31)
Elic Colciloco	Doctoral Program	47	34 (12)	33 (11)
Environmental Studies	Master Course / Master Program	85	118 (21)	96 (17)
	Doctoral Program	27	28 (4)	25 (3)
Biomedical Engineering	Master Course / Master Program Doctoral Program	31 10	62 (9) 14 (4)	42 (8) 14 (4)
Educational Informatics	Master Course / Master Program	12	18 (10)	12 (7)
Education Division	Doctoral Program	5	2 (0)	2 (0)
	Master Program	100	136 (49)	114 (40)
	Doctoral Program	177	185 (48)	171 (44)
Total	Master Course / Master Program	1,683	2,332 (539)	1,766 (361)
	Doctoral Program	660	513 (109)	464 (92)
	Profession Degree Program	150	412 (82)	139 (30)

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









## **■** Number of Degrees Conferred

#### Bachelor's Degree

(as of March 31, 2010)

	Old	New	System
Fuculties	Old System	FY 2009	Cumulative Total
Arts and Letters	1,277	212	9,722
Education	_	73	6,369
Law	3,844	159	11,576
Economics	1,446	273	12,541
Science	2,747	336	14,526
Medicine	3,290	257	6,277
Dentistry	_	49	2,241
Pharmacy and Pharmaceutical Sciences	_	67	3,417
Engineering	3,953	849	42,133
Agriculture	679	166	8,067
Total	17,236	2,441	116,869

<sup>1.</sup> Old system of Bachelor of Agriculture includes 59 Bachelors of Forestry

#### Master's Degree

(as of March 31, 2010)

Graduate Schools	FY 2009	<b>Cumulative Total</b>
Arts and Letters	55	3,021
Education	39	1,014
Law	6	553
Economics and Management	59	1,041
Science	236	8,249
Medicine	92	481
Dentistry	7	32
Pharmaceutical Sciences	67	1,943
Engineering	658	19,704
Agricultural Science	112	3,257
International Cultural Studies	42	625
Information Sciences	116	2,081
Life Sciences	96	816
Environmental Studies	94	563
Biomedical Engineering	28	32
Educational Informatics Education Division	10	68
Total	1,717	43,480

#### Profession Degree

(as of March 31, 2010)

Categories	FY 2009	<b>Cumulative Total</b>
Master of Public Policy (School of Public Policy, established in 2004)	14	109
Juris Doctor (Law School, established in 2004)	86	411
Master of Accountancy (Accounting School, established in 2005)	33	144
Total	133	664

#### (as of March 31, 2010)

#### Doctor's Degree

Graduate Schools	Old System	New System (	Doctor's Course)	New System (	Doctor's Thesis)
Graduate Schools	Old System	FY 2009	<b>Cumulative Total</b>	FY 2009	<b>Cumulative Total</b>
Arts and Letters	96	35	345	14	265
Education	_	7	118	3	124
Law	38	5	91	0	53
Economics and Management	50	17	209	0	108
Science	944	59	2,575	2	1,242
Medicine	3,715	118	2,950	11	3,448
Dentistry	_	14	535	2	203
Pharmaceutical Sciences	_	14	457	5	534
Engineering	554	188	4,367	8	2,213
Agricultural Science	152	27	1,003	7	750
International Cultural Studies	_	9	116	1	8
Information Sciences	_	34	517	3	60
Life Sciences	_	21	181	2	16
Environmental Studies	_	25	149	0	15
Biomedical Engineering		0	2	0	0
Educational Informatics Education Division	_	4	13	0	1
Total	5,549	577	13,628	58	9,040

Doctor's Degree ... By completing the Doctor's Course requirements or by presenting a Doctor's thesis Old System ... 1921-1962
New System ... 1995-present





Graduation Ceremony (Mar 25, 2010)



## **■ Post Graduation Status**

(as of April 1, 2010)

Categories	Number of	Number of students		Number of medical /	Numbe	r of	Place o	f er	nployment			
Faculties / Schools	Number of graduates	going on to hig stage of educat		dental students employed as interns	those employn		Within Miya Prefecture		Outside of M Prefectu		Others	S
Arts and Letters	212 (132)	43 (	24)		131	(87)	30 (2	26)	101	(61)	38	(21)
Education	73 (39)	21 (	11)		47	(24)	17 (	(8)	30	(16)	5	(4)
Law	159 (53)	40 (	12)		97	(34)	21 (	(5)	76	(29)	22	(7)
Economics	273 (75)	23	(4)		208	(66)	35 (1	l1)	173	(55)	42	(5)
Science	336 (51)	271 (4	41)		42	(8)	6 (	(0)	36	(8)	23	(2)
Medicine (6 years)	106 (16)	0	(0)	106 (16)	0	(0)	0 (	(0)	0	(0)	0	(0)
Medicine (4 years)	151 (104)	23 (	14)	0 (0)	122	(87)	64 (4	(84	58	(39)	6	(3)
Dentistry	49 (19)	0	(0)	47 (18)	0	(0)	0 (	(0)	0	(0)	2	(1)
Pharmacy and Pharmaceutical Sciences	67 (14)	61 (	13)		4	(0)	0 (	(0)	4	(0)	2	(1)
Engineering	849 (63)	782 (	55)		46	(5)	6 (	(0)	40	(5)	21	(3)
Agriculture	166 (53)	120 (	35)		32	(13)	8 (	(5)	24	(8)	14	(5)
Total	2,441 (619)	1,384 (20	09)	153 (34)	729	(324)	187 (10	3)	542	(221)	175	(52)

<sup>1. ( )</sup> indicates the number of female students included in counts.

(as of April 1, 2010)

#### Graduate Schools (Master Course / Master's Program)

Categories	Number of		Number of Number of students		Number of me	dical /	Number	r of	Place	of e	nploymen	t		
Graduate Schools	gradua		going on to h stage of educ	•	dental stude employed as ir		those employn		Within M Prefect		Outside of I		Other	S
Arts and Letters	55	(27)	20	(8)	_	_	20	(11)	7	(4)	13	(7)	15	(8)
Education	39	(22)	8	(3)	_	_	23	(15)	14	(11)	9	(4)	8	(4)
Law	6	(2)	1	(1)	_	_	5	(1)	3	(1)	2	(0)	0	(0)
Economics and Management	59	(24)	16	(7)	_	_	21	(5)	4	(0)	17	(5)	22	(12)
Science	236	(39)	80	(7)	_	_	139	(32)	13	(4)	126	(28)	17	(0)
Medicine	23	(11)	13	(5)	0	(0)	8	(5)	5	(4)	3	(1)	2	(1)
Dentistry	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Pharmaceutical Sciences	67	(22)	10	(0)	_	_	56	(22)	7	(3)	49	(19)	1	(0)
Engineering	658	(57)	82	(7)	_	_	553	(45)	28	(2)	525	(43)	23	(5)
Agricultural Science	112	(40)	17	(1)	_	_	80	(31)	8	(2)	72	(29)	15	(8)
International Cultural Studies	42	(29)	16	(14)	_	_	7	(5)	2	(2)	5	(3)	19	(10)
Information Sciences	116	(14)	18	(2)	_	_	85	(10)	8	(1)	77	(9)	13	(2)
Life Sciences	96	(39)	29	(11)	_		47	(21)	2	(2)	45	(19)	20	(7)
Environmental Studies	94	(21)	9	(3)	_	_	72	(16)	1	(0)	71	(16)	13	(2)
Biomedical Engineering	28	(2)	10	(2)			17	(0)	0	(0)	17	(0)	1	(0)
Educational Informatics Education Division	10	(0)	0	(0)	_	_	7	(0)	1	(0)	6	(0)	3	(0)
Total	1641	(349)	329	(71)	0	(0)	1,140	(219)	103	(36)	1,037	(183)	172	(59)

#### Graduate Schools (Doctoral Program)

(as of April 1, 2010)

Categories	Number of	Number of students Number of medical /		Number of	Place of er	mployment		
<b>Graduate Schools</b>	graduates	going on to higher stage of education	dental students employed as interns	those in employment	Within Miyagi Prefecture	Outside of Miyagi Prefecture	Others	Number of postdoctral fellows included in counts
Arts and Letters	35 (11)	0 (0)		13 (6)	2 (1)	11 (5)	22 (5)	0 (0)
Education	7 (5)	0 (0)		6 (4)	5 (4)	1 (0)	1 (1)	0 (0)
Law	5 (1)	0 (0)		3 (1)	2 (1)	1 (0)	2 (0)	0 (0)
Economics and Management	17 (5)	0 (0)		5 (1)	2 (0)	3 (1)	12 (4)	1 (0)
Science	59 (10)	0 (0)		32 (7)	7 (1)	25 (6)	27 (3)	17 (2)
Medicine	10 (5)	0 (0)	0 (0)	9 (5)	5 (2)	4 (3)	1 (0)	0 (0)
Dentistry								
Pharmaceutical Sciences	14 (2)	0 (0)		9 (2)	2 (0)	7 (2)	5 (0)	0 (0)
Engineering	188 (17)	0 (0)		130 (9)	19 (4)	111 (5)	58 (8)	23 (3)
Agricultural Science	27 (8)	0 (0)		10 (1)	3 (1)	7 (0)	17 (7)	0 (0)
International Cultural Studies	9 (5)	0 (0)		1 (0)	0 (0)	1 (0)	8 (5)	5 (3)
Information Sciences	34 (9)	0 (0)		24 (5)	5 (1)	19 (4)	10 (4)	3 (0)
Life Sciences	21 (5)	0 (0)		11 (2)	3 (1)	8 (1)	10 (3)	5 (2)
Environmental Studies	25 (4)	0 (0)		14 (0)	3 (0)	11 (0)	11 (4)	0 (0)
Biomedical Engineering	0 (0)	0 (0)		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Educational Informatics Education Division	4 (2)	0 (0)		3 (1)	0 (0)	3 (1)	1 (1)	0 (0)
Total	455 (89)	0 (0)	0 (0)	270 (44)	58 (16)	212 (28)	185 (45)	54 (10)

<sup>1. ( )</sup> indicates the number of female students included in counts.

<sup>2. &</sup>quot;Others" include research students; special students; graduates preparing for the exam for National Public Service; graduates unemployed; and others.

 <sup>( )</sup> indicates the number of female students included in counts.
 Chers" include research students; special students; graduates preparing for the exam for National Public Service; graduates unemployed; and others.

<sup>2. &</sup>quot;Others" include research students; special students; graduates preparing for the exam for National Public Service; graduates unemployed; and others.

### ■ Post Graduation Status

#### **Graduate Schools (Master's Program)**

(as of April 1, 2010)

Categories	Number of	Number of students	Number of medical /	Number of	Place of e	mployment			
Graduate Schools	Number of graduates	going on to higher stage of education	dental students employed as interns	those in employment	Within Miyagi Prefecture	Outside of Miyagi Prefecture	Others	Number of postdoctral fellows included in counts	
Medicine	69 (29)	24 (8)	0 (0)	43 (20)	18 (4)	25 (16)	2 (1)	0 (0)	
Dentistry	7 (4)	0 (0)	0 (0)	6 (3)	4 (2)	2 (1)	1 (1)	0 (0)	
Total	76 (33)	24 (8)	0 (0)	49 (23)	22 (6)	27 (17)	3 (2)	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, 2010)

#### **Graduate Schools (Doctoral Program)**

Categories	Nonelean of	Number of students	Number of medical /	Number of	Place of e	mployment		
Graduate Schools	Number of graduates	going on to higher stage of education	dental students employed as interns	those in employment	Within Miyagi Prefecture	Outside of Miyagi Prefecture	Others	Number of postdoctral fellows included in counts
Medicine	108 (35)	1 (0)	0 (0)	89 (27)	64 (20)	25 (7)	18 (8)	0 (0)
Dentistry	14 (3)	0 (0)	1 (0)	11 (3)	10 (3)	1 (0)	2 (0)	0 (0)
Total	122 (38)	1 (0)	1 (0)	100 (30)	74 (23)	26 (7)	20 (8)	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.

#### **Graduate Schools (Profession Degree Program)**

(as of April 1, 2010)

Categories	Number of		Number of medical /	Number of	Place of e			
<b>Graduate Schools</b>	graduates	going on to higher stage of education	dental students employed as interns	those in employment	Within Miyagi Prefecture	Outside of Miyagi Prefecture	Others	
Law	14 (1)	0 (0)		13 (1)	2 (0)	11 (1)	1 (0)	
Juris Doctor	86 (11)	0 (0)		0 (0)	0 (0)	0 (0)	86 (11)	
Economics and Management	33 (11)	0 (0)		15 (4)	4 (1)	11 (3)	18 (7)	
Total	133 (23)	0 (0)	0 (0)	28 (5)	6 (1)	22 (4)	105 (18)	

- 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 sports and cultural events for the entire university as a whole; it also hosts activities such as the 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.

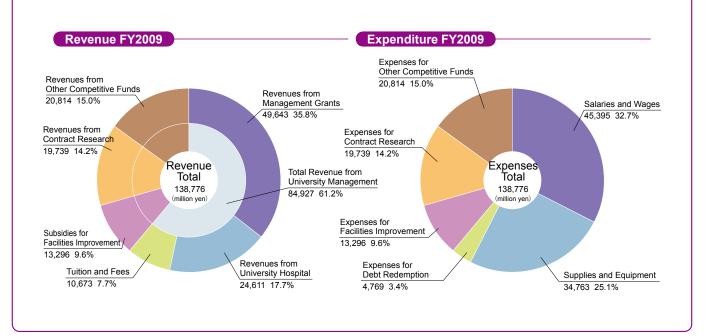
#### Cultural activities

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, Yachting, Skating, Horse-Riding, Badminton, Judo, Skiing, Handball, Aviation, Kendo, Kyudo, Karate, Motorcar, Wandervogel, Golf, Aikido, Fencing, Cheering Group, Cycling, Bodybuilding, Shorinji-Kempo, Gymnastics, American Football, Orienteering, Ballroom Dance, Archery, Triathlon, Lacrosse, Ice Skating, Cart Racing, Kyokushin Karate, Sumo Wrestling, Softball

### **FY2009 Financial Summary**

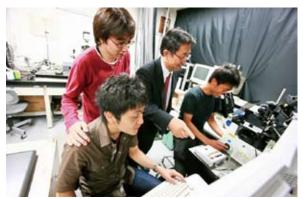


#### **Research Funds**

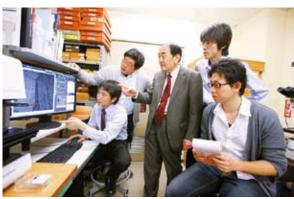
#### **Grants-in-Aid for Scientific Research**

(FY2009)

Cotomovico	Number of	Amou	unt of Grants (thousand	l yen)
Categories	Projects	Direct Expenses	Indirect Expenses	Total
Specially Promoted Research	12	939,800	281,940	1,221,740
Scientific Research in Priority Areas	138	1,036,900	_	1,036,900
New Academic Field Research	48	460,700	138,210	598,910
Scientific Research (S) or (A) or (B) or (C)	902	4,005,000	1,201,500	5,206,500
Challenging Exploratory Research	199	285,100	_	285,100
Young Scientists (S) or (A) or (B)	604	1,211,690	363,507	1,575,197
Encouragement of Scientists	10	5,280	_	5,280
Publication of Scientific Research Results (Scientific Literature and Databases)	7	13,100	_	13,100
JSPS Fellows	340	267,300	_	267,300
Creative Scientific Research	5	304,300	91,290	395,590
Total	2,265	8,529,170	2,076,447	10,605,617



Biomechanical Engineering (Prof. Masaaki Sato)



Department of Archaeology (Prof. Kaoru Akoshima)

## **Research Funds**

## **Donations and Commissioned Research**

(FY2009)

	Categories		Number of Recipients	Amount Received (thousand yen)
Donations			2,925	4,240,892
	Joint Research with Industry		837	2,691,876
	Commissioned Research	General Funds	369	3,651,809
Funds for Commissioned Research		Competitive Funds	242	5,910,956
		Sub Total	611	9,562,765
	Sub Total		1,448	12,254,641
Academic Consulting			144	100,124
Total			4,517	16,595,657

Other Grants

(FY2009)

O-th-marile-	Number of	Amount of Funds (thousand yen)			
Categories	Projects	Direct Expenses	Indirect Expenses	Total	
Special Coordination Funds for Promoting Science and Technology	8	625,214	172,563	797,777	
Global COE Program (MEXT)	12	2,580,530	774,159	3,354,689	
Industrial Technology Research and Development Projects (NEDO)	9	132,700	39,810	172,510	
Health and Labour Sciences Research Grant (MHLW)	40	1,561,120	412,555	1,973,675	
Grant-in-Aid for Waste Management (MOE)	3	42,446	12,734	55,180	
Subsidy for Promoting University Reform (MEXT)	7	349,433	0	349,433	
Grant-in-Aid for Cancer Research (MHLW)	1	12,800	0	12,800	
Grant-in-Aid for Research Base Formation, etc. (except for 21st Century COE Program and Global COE Program)	5	113,350	9,712	123,062	
Grant for Promotional Expenses for Shared Research and Development Facilities (MEXT)	1	16,460	0	16,460	
Grant for World Premier International Research Center (WPI) Initiative (MEXT)	1	1,038,462	311,538	1,350,000	
Grant for Practical Application of University R&D Results under the Matching Fund Method (NEDO)	1	9,228	2,769	11,997	
Project for the Improvement of Facilities for the Advanced Medical Care Development Zone (MEXT, MHLW, METI)	4	618,269	0	618,269	
Grant for Improving Facilities for Industrial Technology Research and Development (METI)	1	564,606	0	564,606	
Grant for Prevention of Disease Operation etc Fund	2	39,920	0	39,920	
Total	95	7,704,538	1,735,840	9,440,378	

#### Notes:

NST: 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
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 Materiala 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

(as of April 1, 2010)

(Unit: m²)

				Land			Building	(Unit: m)
	Area/Siz	ze	Owned	Rented	Total	Owned	Rented	Total
within	Sendai City	Katahira	237,532	31	237,563	166,933	0	166,933
Miyagi Prefecture		Komegafukuro	3,231	0	3,231	512	0	512
		Kawauchi/Aobayama	2,582,709	15,517	2,598,226	430,135	0	430,135
		Seiryo	179,155	59	179,214	274,477	0	274,477
		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	8,859	0	8,859
		Hyojogawara	18,668	0	18,668	781	0	781
		Goroku	0	399	399	26	0	26
		Akiu	0	4	4	0	20	20
		Kitanakayama	0	58	58	0	0	0
		Yagiyama	12,810	0	12,810	0	0	0
		Student Residence	40,972	0	40,972	22,660	0	22,660
		Staff Residence	80,834	0	80,834	42,460	0	42,460
		Sub Total		16,068		988,916	20	988,936
	Outside of		3,413,146	30,287	3,429,214	399	0	399
	Sendai City	Zao	0	528	528		0	
		Shichigahama	23,463			355		355
		Onagawa/Oshika		43,338	66,801	1,922	0	1,922
		Kashimadai	10,077	0	10,077	270	0	270
		Naruko/Kawatabi	18,541,862	1,409	18,543,271	18,662	0	18,662
		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	193	193	0	110	110
		Yoneyama	0	1,600	1,600	101	0	101
		Wakayanagi	0	100	100	12	0	12
		others	0	95	95	0	0	0
		Staff Residence	5,411	1,123	6,534	1,516	0	1,516
		Sub Total	18,582,676	80,309		24,306	115	24,421
		Total	21,995,822	96,377	22,092,199	1,013,222	135	1,013,357
Outside Miyagi Prefecture	Aomori Prefe		28,506	77,010	105,516	2,658	437	3,095
	Akita Prefect		1,049	6,899	7,948	686	0	686
	Yamagata Pr		0	1,554	1,554	298	0	298
	Iwate Prefect		10,012	17,712	27,724	873	0	873
	Fukushima F		990	26,017	27,007	362	99	461
	Niigata Prefe		0	315	315	6	0	6
	Saitama Pref		660	1 10 101	661	739	0	739
	Ibaraki Prefe		4,541	12,161	16,702	5,787	0	5,787
	Tochigi Prefe		0	25	25	0	0	0
	Gifu Prefectu	ıre	0	694	694	424	0	424
	Fukui		0	107	107	0	0	
	Total		45,758	142,495	188,253	11,833	536	12,369
Grand Total			22,041,580	238,872	22,280,452	1,025,055	671	1,025,726

## **World Premier International Research Center (WPI)**

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

In its International Advanced Materials Research Center Plan, Tohoku University proposed a new field blending materials science, physics, chemistry and engineering to the World Premier International Research Center Initiative (WPI Program) hosted by the MEXT. The center has been adopted as one of the world's foremost centers. Following this, Tohoku University established the Advanced Institute for Materials Research (WPI-AIMR) in October 2007.

WPI Laboratory Building

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 that go beyond existing methods. The Center is committed to pursuing the creation of new materials and compounds, developing devices based upon a new fundamental paradigms; it also promotes the application of research projects with the new materials and system architecture which generates direct societal impacts; thus exhibiting the qualities necessary to become a world-leading international center of materials research.

# Thrust 1 Bulk Metallic Glasses

This division is dedicated to the cutting-edge research of advanced non-equilibrium metallic materials including amorphous, quasicrystalline and nanostructured metals and alloys that exhibit unique and superior physical, chemical and mechanical properties.

## Thrust 2 Materials Physics

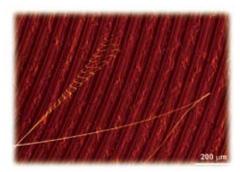
Exploring and understanding innovative materials for electronic devices are the key targets in the research of division.

#### **Thrust 3** Soft Materials

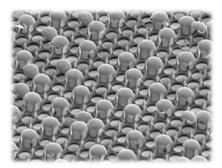
Synthesis, characterization and evaluation of soft materials, such as organo- $\pi$ -electronic devices, gel, polymer composites, microporous polymer films, and nano-structured materials catalysts, are key issues of this division.

## Thrust 4 Device/System

Our device/system group consists mainly of spintronics, electronics, MEMS materials and bio device laboratories. Fabrication of innovative materials and developing them to devices are key target of our group.



The electron micrograph shows a metallic glass nanowire that involves ultrahigh strength and high elasticity. The sine wave pattern demonstrates the vibration of the nanowire.



High adhesive superhydrophobic metal-polymer hybrid surfaces prepared by self-organization

## **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," ranging 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 a range of areas from environments surrounding people to the relationships among people. Moreover, we will provide outcome-oriented educational programs for the participating students to present achievements of individual goals in the fields of neurosciences. It will promote the fostering of human resources in new disciplines in 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 in health services, who can link advancements in neurosciences to the education of society.
Chemistry, Material Sciences 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 educated of chemists, who take on leadership roles in both national and international fields of advanced chemistry and their various related sciences.
Chemistry, Material Sciences Professor Takashi Goto	Materials Science	Materials Integration International Center of Education and Research	Materials science covers the infrastructure of every industry and without its development, our society cannot progress. Tohoku University has been a world leader in materials science. However, in today's society, more global competition and collaboration in research and development are inevitably urged. The Global COE focuses on the following four 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 based on materials integration concepts (creation of fields for interdisciplinary research collaboration in materials science). This education aims to foster young researchers with a multilateral viewpoint who will form the next generation of researchers. We aim to innovate new functions and materials, and to develop new materials science.
Information, Electrical and Electronic Sciences Professor Fumiyuki Adachi	Electrical and Electronic Engineering	Center of Education and Research for Information Electronics Systems	Believing 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 in order to realize a global network for human-centric communications.
Interdisciplinary, Combined Fields, New Disciplines Professor Takami Yamaguchi	Biomedical Engineering	Global Nano-Biomedical Engineering Network Centre	As is widely recognized, nano-biomedical engineering is a major key to 21st century world civilization. Tohoku University's Global COE programme, "Global Nano-Biomedical Engineering Network Centre" aims to organize nano-biomedical engineering activities within East Asian and Pacific Rim countries. While this is not literally restricted to those areas, our intention is to start organizing the most active institutions in the hope that eventually worldwide collaboration will be implemented in the most rapidly growing areas 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 the global environment

Total: 5 programs

(FY = Fiscal Year / Financial Year)

## **■** Research Programs

## FY 2008

2000			
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 see networks in multiple levels encompassing molecules to organs, even in interactions with the 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 a broad perspective and to go beyond existing frameworks with a pioneer spirit.
Mathematics, Physics, and Earth Sciences Professor Kunio Inoue	Physics	Weaving Science Web beyond Particle Matter Hierarchy	Based on the experiences of propelling international cutting-edge research in a wide range of hierarchies in the universe, this program attaches great importance to weaving interconnections between those hierarchies using the common language, mathematics, which we call "Science Web". We develop new science fields under the Science Web and also extend our interests to fields in between the hierarchy such as chemistry, biology and geoscience. We ultimately aim to understand the entire particle matter hierarchy and cooperation with Philosophy will bring a wider view necessary to reach this goal. This active collaboration and development is used to nurture talented students. Students grown with the education will create a new academic culture and contribute to a social innovation.
Mathematics, Physics, and Earth Sciences 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 further advance our knowledge in the critical areas of Earth and planetary dynamics and Earth environmental change.
Mechanical, civil engineering, architectural and other fields of engineering 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 researchers and PhD candidates that contribute to the world community of flow dynamics by developing global perspectives and academic abilities that transcend the global standard.
Social Sciences 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 work on four research objectives through multi-disciplinary approaches: (1) Developing exact measures of disparity; (2) Analyzing social mechanisms 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 globally competitive.
Social Sciences 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 at the 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.
Interdisciplinary combined fields, new Disciplines Tohru Nakashizuka	Environmental Science	Center for ecosystem management adapting to global change	We propose a new research domain based around the ecosystem principle, ecosystem technology and a 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: 7programs

## **Research Programs**

#### Special Coordination Funds for Promoting Science and Technology

This is a Special Coordination Fund which is based upon the strategies of the 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 in the key issues of science and technology. Selected programs, which utilize this Promotion Fund, show and produce effective results with government-led supports. These Programs are A) original and novel efforts found in the policies of Offices and Ministries, B) having difficulty within existing organizations due to the limits of departmental remits, C) expected to generate synergy effects, in cooperation with different organizations, D) focused on rapid and flexible actions, etc.

#### FY 2006

Scientists

Program	Departments	Our Designated Program Title	Contents
Independent Research Environment Promotion Program for Young Scientists	Graduate School of Engineering Institute of Development, Aging and Cancer	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.
FY 2007			
Program	Departments	Our Designated Program Title	Contents
Creation of Innovation Centers for Advanced Interdisciplinary Research Areas	University-wide Graduate School of Engineering	R&D Center of Excellence for Integrated Microsystems	By integrating machinery, electrics/ electronics, materials, chemistry, electron chemistry, 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.
FY 2009			
Program	Departments	Our Designated Program Title	Contents
Innovative Training System for Future Leaders Future Leaders Training Program for New Innovation	University-wide	ILP Innovative Leaders Platform	Having established the ILP Innovative Leaders Platform Center, this program aims to nurture doctoral and post-doctoral students with practical professional skills and interpersonal skills. Furthermore, it aims to instill practical knowhow in students through long-term internship programs at companies both inside and outside Japan, and to foster and produce human resources able to develop innovations from the results of their research.
Innovative Supporting System for Female Scientists Accelerating Innovation of Training System for Female	University-wide Office for Women Researchers	Tohoku Leading Women's Jump Up Project for 2013	This program aims to raise the skills and position of female scientists, and to foster pioneering female scientists with the broad vision over a wide range of academic fields necessary to become world leaders.

## **Education Programs**

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

#### **Program for Promoting High-Quality University Education**

This program is conducted to provide information for society and promote the quality of our education at an organizational level by clarifying the policies of our University and establishing the PDCA Cycle system.

Year	Departments	Program	Contents
FY 2008 – FY 2010	School of Medicine	Building a medical education system to nurture research minds: Project that promotes a spirit of inquiry for the truth and practical ability.	The objectives expected to be achieved by the student are 1) gaining a clear sense of purpose as a medical student, 2) high ethics as a doctor and researcher, 3) a vigorous, inquiring mind to search for the truth, 4) a flexible mindset to independently find the problems, and 5) practical ability to solve problems. The curriculum is carried out in three stages over three academic years (introduction and training, development education, and object lessons). The introduction and training stage is composed of the medicine training and motivation building study, and is aimed at the acquisition of a sense of purpose and ethics and an understanding of the relationship between knowledge and practice. The development education stage is carried out by adopting new methods of education such as the Advanced Science Course and Workshop for Tackling Question which encourage students to develop an inquiring mind capable of flexible thinking. The object lesson aims at the acquisition of practical ability for problem solving, and basic medicine tutorials and basic medicine training, etc. and is experienced over the long term. Research results will be presented at the academic meetings held by students. Privileges such as being dispatched overseas are given to students who have excelled in their studies.
FY 2008 – FY 2010	School of Engineering	Evaluation of educational effectiveness by analyzing records of learning achievement - Assessment analysis by combining electronic portfolio and entrance examination data	Based on our past experience of educational guidance, we will pursue the following three activities in this program: (a) conduct a face-to-face meeting with undergraduate students using their portfolio, (b) improve the questionnaires in the portfolio to suit evaluation of educational effectiveness, and (c) establish an evaluation index of learning achievement by analyzing records in portfolio and entrance examination data.

#### **Program for Enhancing Systematic Education Graduate Schools**

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

Year	Departments	Program	Contents
FY2008 – FY 2010	Graduate School of Arts and Letters	International standardized curators for historical resources archives training plan	This program aims to train highly qualified curators who can perform at an international level as well as having a profound knowledge in their areas of specialization and being knowledgeable of a wide range of relevant resources.
FY2008 – FY 2010	Graduate School of Information Sciences	The information literacy education professional program - Information, literacy education design for information ethics issues we are facing today	Information literacy education is important in our society today. This program aims to train professionals who are able to create information literacy education designed to resolve issues we are facing today precisely and who are able to take responsibility for cutting edge information literacy education by educating highly qualified vocational professionals

### **Education Programs**

#### Training of Medical Specialists Utilizing University Hospital to Ease the Shortage of Doctors (Training of Distinguished Specialists by Mutual Cooperation between University Hospitals)

W University Hospitals Cooperated Highly Skilled Professionals Training Program in FY2008-2009

We aim to cultivate medical practitioners who will work in medical fields in the future. To achieve this, we promote stimulation in university hospitals and our local community by providing financial support to high standard practitioners and clinical researchers training programs. Programs will be selected from candidates who submit applications from national, public and private university hospitals.

Year	Department	Program	Contents
FY 2008 – FY 2012	University Hospital		This program aims to train highly qualified medical specialists efficiently in the Tohoku region and streamline a consistent lifetime career path supporting system for medical practitioners. These range from medical students to trainee doctors, specialist trainee doctors and postgraduate medical students mainly based in Medical Practitioners Career Path Support Centers of University Hospitals.

#### Training of Medical Specialists Utilizing University Hospital to Ease the Shortage of Doctors (Training of Specialized Staff for Perinatal Care)

Faced with the pressing issue of a shortage of pediatricians and obstetricians, this program aims to establish projects to train specialist perinatal staff, to provide support for university hospital initiatives, and to foster talented medical specialists and nurses with high-level knowledge and skills.

Year	Department	Program	Contents
FY 2009 – FY 2012	University Hospital	Project to Support Young / Female Perinatal Doctors	There are two purposes to this program: to actively encourage medical students and trainee doctors in order to increase the number of obstetricians and pediatricians; and to provide support for female doctors enabling them to continue working during pregnancy or return to work after childbirth. The "Birth of a New Life Project" aims to encourage medical students and trainee clinical doctors to move into perinatal care in the future through experiencing dealing with childbirth. The "Tohoku Lady Obstetrician 2009 (TOLO9) Project" aims to improve working environments for female doctors enabling them to continue their careers during pregnancy, childbirth and childcare. The project also aims to realize safe and high quality perinatal care by drawing on the personal experiences of female obstetricians.

### Training of Medical Specialists Utilizing University Hospital to Ease the Shortage of Doctors (Establishing System for Training of Nurses)

※ Plan for establishing a career system for nursing jobs in FY2009

Faced with the pressing issue of a shortage of pediatricians and obstetricians, this program aims to initiate projects to train specialist perinatal staff, to provide support for university hospital initiatives, and to foster talented medical specialists and nurses with high-level knowledge and skills.

Year	Department	Program	Contents
FY 2009 – FY 2013	University Hospital	Development of Supporting System for Nurse Career Promotion	This program aims to improve the education and practical skills of nurses through cooperation and academic discussion between the University Hospital and the School of Medicine and the development and implementation of a clinical training system. The program also aims to help nurses establish their own system to promote their career by defining a career path which enables them to remain active throughout their working life.

#### Personnel recruitment to improve conditions for working conditions for doctors in university hospital

This program supports university hospital initiatives that aim to ease the workload of doctors and nurses by hiring clerical assistants for doctors and by promoting the sharing of duties between related jobs.

Year	Department	Program	Contents
FY 2010	University Hospital	Operational Improvement of University Hospital Program	Through hiring clerical assistants for doctors and helpers for nurses, this program aims to improve the safety and quality of medical treatment and reform the work sharing system of doctors and nurses. By doing this, the program aims to not only ease the workload of doctors and nurses but also establish an environment that allows them to focus on their primary work.

#### **Cancer Professional Training Plan**

This program aids in fostering intelligent, highly-skilled medical professionals who specialize in the field of cancer; those who become carcinoma doctors, etc.

Year	Department	Program	Contents
FY 2007 – FY 2011	Graduate School of Medicine	Tohoku Cancer Professional Cultivation Plan	In order to enhance cancer treatment, the plan introduces a holistic educational program which trains the potential cancer specialists who are intelligent and highly skilled; it also assists those with abilities to pursue and promote practical research, both academically and holistically, and also to attain a medical license.

#### **Science and Mathematics Students Support Project**

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

Year	Department	Program	Contents
FY 2008 – FY 2011	Faculty of Science	Special education for advanced mathematics and physics	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 and physics; preparing them for further study in the graduate program.

#### We also have the original program:

#### Initiatives for Distinctive Education

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

Year	Department	Program	Contents
FY 2005 –	Center for the Advancement of Higher Education	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.

This is an extra-curricular course with a small group offering high-level mathematic lessons to highly-motivated undergraduate students.

Year	Department	Program	Contents
FY 2005 –	Center for the Advancement of Higher Education	Advanced Mathematics Course	This course will help students acquire improved abilities in mathematics, which is a basic language for not only science and technology but for all academic fields.

## **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 organisations. Endowed chairs were organized at the graduate schools and endowed research divisions were organized at the research institutes as listed below.

Endowed Chairs (As of May 1, 2010)

			<b>-</b>
Year	Graduate School	Chair	Duration
FY 2010 (Continued)	Graduate School of Medicine	Multiple Sclerosis Therapeutics	May 1, 2010-April 30, 2013
FY 2010	Graduate School of Medicine	Department of Regional Cooperation for Infectious Diseases	April 1, 2010-March 31, 2013
FY 2010	Graduate School of Medicine	Human Resource Development for Perinatal Care	April 1, 2010-March 31, 2013
FY 2010	Graduate School of Medicine	Molecular Hematology / Oncology	April 1, 2010-March 31, 2013
FY 2010	Graduate School of Medicine	Research Division of Sciences for Aortic Disease	April 1, 2010-March 31, 2013
FY 2010	Graduate School of Agricultural Science	Innovative Green-Technology for Sustainable and Improving Beef Production (Aleph Co.,Inc.)	April 1, 2010-March 31, 2013
FY 2009	Graduate School of Medicine	Division of Surgery and Oncology	October 1, 2009-September 30, 2012
FY 2009 (Continued)	Graduate School of Medicine	Geriatric and Complementary Medicine (Tsumura), Centre for Asian Traditional Medicine Research	October 1, 2009-September 30, 2012
FY 2009 (Continued)	Graduate School of Medicine	Innovative Cardiovascular Medicine	October 1, 2009-September 30, 2012
FY 2009	Graduate School of Engineering	Ecological Service Engineering (Mitsubishi Materials)	April 1, 2009-March 31, 2012
FY 2009 (Continued)	Graduate School of Engineering	Advanced Power Engineering (Tohoku Electric Power Co., Inc.)	April 1, 2009-March 31, 2012
FY 2009	Graduate School of Medicine	Advanced Ophthalmic Medicine	April 1, 2009-March 31, 2012
FY 2009	Graduate School of Medicine	Bioscience for Drug Discovery	April 1, 2009-March 31, 2012
FY 2009 (Continued)	Graduate School of Science	Laboratory of Molecular Transformation	April 1, 2009-March 31, 2012
FY 2009	Graduate School of Pharmaceutical Science	Department of Community Pharmacy (Ohno Hikari Pharmacist)	April 1, 2009-March 31, 2014
	Graduate School of Information Science	Advanced Information Exchange Technology (KDDI Corporation)	April 1, 2009-March 31, 2012
FY 2009 (Continued)	Graduate School of Medicine	Hematopathology	April 1, 2009-March 31, 2011
FY 2009	Graduate School of Medicine	Blood Pressure Research	April 1, 2009-March 31, 2012
FY 2008	Graduate School of Medicine	Clinical Microbiology with Epidemiological Research & Management and Analysis of Infectious Diseases	February 16, 2009-January 31, 2012
FY 2008 (Continued)	Graduate School of Medicine	Geriatric Behavioral Neurology	November 1, 2008-March 31, 2012
FY 2008	Graduate School of Agricultural Science	Animal Welfare (Ishii co.,ltd)	October 1, 2008-March 31, 2011
	Graduate School of Pharmaceutical Science	Department of Planning for Drug Development and Clinical Evaluation	April 1, 2008-March 31, 2013
FY 2008	Graduate School of Medicine	Advanced Preventative Medicine for Infectious Disease	April 1, 2008-March 31, 2011
FY 2008	Graduate School of Medicine	Nano-Medical Science	April 1, 2008-March 31, 2011
FY 2008	Graduate School of Environmental Studies	Energy Security (JAPEX)	April 1, 2008–September 30, 2011
	Graduate School of Environmental Studies	Control of Environmental Materials (DOWA Holdings)	April 1, 2008-March 31, 2011
FY 2008 (Continued)	Graduate School of Engineering	Laboratory of Combinatorial Computational Chemistry	April 1, 2008-March 31, 2011
FY 2008	Graduate School of Dentistry	Oral Health Care Promotion	April 1, 2008-March 31, 2011
FY 2007	Graduate School of Medicine	Evidence-based Cardiovascular Medicine	October 1, 2007-September 30, 2012

## **Endowed Research Divisions**

Year	Institute / Center	Research Division	Duration
FY 2010	Research Institute of Electrical Communication	Environmental-Adaptive Information and Communication Engineering	May 1, 2010-April 30, 2013
FY 2010 (Continued)	Graduate School of Engineering	Division of Advanced Electric Power Technologies (Tohoku Electric Power Co., Inc.)	April 1, 2010-March 31, 2013
FY 2010 (Continued)	Institute for Materials Research	Nano-Metallurgy for High Temperature Materials	April 1, 2010-March 31, 2011
FY 2010 (Continued)	Institute of Development, Aging and Cancer	Division of Anti-Infective Agents	April 1, 2010-March 31, 2014
FY 2010 (Continued)	Institute of Multidisciplinary Research for Advanced Materials	Nitride Crystal	April 1, 2010-March 31, 2012
FY 2009	Graduate School of Engineering	Anti-dementia functional food development	April 1, 2009-March 31, 2014
FY 2009	Graduate School of Engineering	Strength of Materials in Environments for Energy Plant Application	April 1, 2009-March 31, 2012
FY 2009 (Continued)	Center for Interdisciplinary Research	Laboratory for Development of Fundamental Technology for GaN-based Devices	April 1, 2009-March 31, 2011
FY 2009	Institute of Development, Aging and Cancer	Division of Dynamic Proteome in Aging and Cancer	April 1, 2009-March 31, 2011
FY 2008	Innovation of New Biomedical Engineering Center Department of Lifestyle Medicine		August 1, 2008-July 31, 2011
FY 2008	Innovation of New Biomedical Engineering Center	Neuro-Imaging Research (Sumitomo Electric Industries, Ltd.)	May 1, 2008-April 30, 2011
FY 2008	Graduate School of Engineering	Division of Maintenance and Reliability Assessment Technologies for High-Speed Railway Systems (East Japan Railway Company)	April 1, 2008-March 31, 2011
FY 2008 (Continued)	New Industry Creation Hatchery Center (NICHe)	Research Department of Future Life Particle Interaction Engineering Creation	April 1, 2008-March 31, 2011
FY 2008 (Continued)	New Industry Creation Hatchery Center (NICHe)	Research Department of Future Information Industry Creation	April 1, 2008-March 31, 2012
FY 2008	Institute of Development, Aging and Cancer	Division of Cognitive Neuroscience (Kumon Educational Japan Co. Ltd.)	April 1, 2008-March 31, 2011
FY 2008	Institute of Fluid Science	Shock Wave Interdisciplinary Application Division	April 1, 2008-March 31, 2011

#### **Industry-University-Government Cooperation Policy**

Tohoku University has been committed to the "Research First", the "Open-Door" and the "Practice-Oriented Research and Education" policies since its foundation, and is internationally recognized for its outstanding research and education. The university contributes to the peace and prosperity of human society by devoting itself to research useful in solving societal problems, and by educating human resources in leadership skills.

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

Moreover, under its policy of "global and regional openness," Tohoku University will contribute to the growth of human society as a whole through the collective strength of its human and intellectual resources, and cooperation with regional and international communities. "Industry-University-Government Cooperation" is the core of our social contribution, our university's third mission, after "Education" and "Research," and an important means of delivering the benefits of knowledge to society. Our university follows an active policy of Industry-University-Government cooperation as described below.

- 1. Ever since its founding, Tohoku University has had a tradition of "practice-oriented research and education." Based upon this, the university shall increase the added social value of its education and research by widely disseminating its academic achievements to society and promoting the transfer of technology to industry.
- 2. In addition to technological transfer and cooperative research, the university shall promote world-leading research into technological innovations within the context of international Industry-University-Government cooperation.
- The university shall continuously promote Industry-University-Government cooperation toward solving problems, including those specific to the region, and contribute to Japan's economic and social development as a driving force behind innovation.
- 4. There shall be an organization within the university for the promotion of Industry-University-Government cooperation, and it shall further such cooperation with an international perspective through the mobilization of university resources and coordination with pertinent domestic and foreign institutions.
- In promoting Industry-University-Government cooperation, social accountability shall be fundamental —i.e. ensuring transparency, and complying with international and domestic laws and international treaties.

Latina P	) lo	D	a a kan sasikka	Local Conditions
Joint F	kesearch	ı Pro	ects with	inaustry

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
2008	786	2,459
2009	837	2,692

#### **Commissioned Research**

	Fiscal Year	No. of Projects	Amount of Money (Unit: million yen)
	2003	373	3,450
Ī	2004	456	6,149
Ī	2005	483	7,358
	2006	591	7,927
Ī	2007	554	9,101
Ī	2008	596	9,131
Ī	2009	611	9,563

### **Joint Research Projects with Industry (FY 2009)**

#### (Breakdown by No. of Projects) (Breakdown by Amount of Money) Others 12% Others 352 Frontier Frontier Life Science 465 1% 14 Life Science Infrastructure 25% Infrastructure 1% 58 Information & Communication Manufacturing Manufacturing Technology 149 Technology 191 8% Environment Unit: 76 million yen 837 projects Energy Information & Communication 7% Environment 5% Energy Nanotechnology & 363 Nanotechnology & Materials Materials 1.024 34%

## Cooperation with Industry

#### **Organizational Cooperation**

Tohoku University conducts organized cooperation with private enterprises, and promotes practical cooperation in all areas where mutual cooperation is possible, such as research and development, human resources development, and in its responsibilities to the regional community.

Private Company/ Institute	Objective	
Hitachi, Ltd	Collaborative research and mutual exchange in the field of electricity, information, materials and mechanics	
National Institute of Advanced Industrial Science and Technology (AIST)	Collaborative research in the field of environment, materials, information and telecommunication, and electronics, etc	
National Institute of Radiological Sciences	Training professionals in advanced specialties of molecule imaging research PET (positron emission tomography)	
Seiko Epson Corporation	Promotion of collaborative research, mutual exchange of researchers, education and developm of human resources, and international student assistance for the advancement of internatio exchange	
Kahoku Shimpo Publishing Co.	Both parties, the educational and research functions of Tohoku University and the news coverage and information service functions of Kahoku Shimpo work together effectively and efficiently in the areas of research and investigation, event co-sponsorship and collaboration, human resource development, etc.	
77 Bank, Ltd	Provide support and exchange information regarding Tohoku University-based start-ups, matching coordinates between Tohoku University's seeds and regional companies; provide technical advice and promote exchange of human resources.	
DOWA Holdings Co., Ltd.	Promote joint research and mutual exchange of researchers, foster young researchers, and establish mutual use of research institutes and facilities.	
Japan Aerospace Exploration Agency (JAXA)	To develop collaborative research and to promote the education of scientists through interdisciplinary studies of cosmic and aeronautical science, including various fields such as bioscience.	
Central Institute for Experimental Animals	Collaborative research in the field of life science, biological science, material science, psychology and social science, and the cultivation and interaction of human resources.	
High Energy Accelerator Research Organization (KEK)	Promotion of cooperative research in the field of elementary particle/nuclear physics, physics/life science and accelerator science, and strengthening cooperative research systems.	
National Institute of Natural Science, National Institute for Fusion Science	Promotion of fusion reactor research, education and exchange of human resources.	
Riken	To develop diverse academic fields such as theory and experiments, and the fusion of computational science and computer science; create innovations through computational science; foster human resources who will be active globally; and promote the exchange of faculty and researchers.	
NTT, NTT East	Further expansion of coordinated cooperation in the fields of information and communications, extension and revitalization of educational and research activities, and promotion of interdisciplinary research and development.	
	Hitachi, Ltd  National Institute of Advanced Industrial Science and Technology (AIST)  National Institute of Radiological Sciences  Seiko Epson Corporation  Kahoku Shimpo Publishing Co.  77 Bank, Ltd  DOWA Holdings Co., Ltd.  Japan Aerospace Exploration Agency (JAXA)  Central Institute for Experimental Animals  High Energy Accelerator Research Organization (KEK)  National Institute of Natural Science, National Institute for Fusion Science	

## **Cooperation with Community**

#### The Science Café

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

#### Tohoku University Innovation Fair 2009 in Sendai

Date	Program Content	Venue
October 14, 2009	Introductions and presentations were made of most-advanced research and extraordinary research by the young researchers in the fields of robotics, biomedical cooperation/ life science, nanotechnology/materials, information communication and environment/energy social science etc.	Sendai International Center



The Science Café

#### **Extension Courses**

Tohoku University is constantly making efforts to play the leading roles in educational and academic activities in the Tohoku region. Meeting the community's needs, it provides extension courses and public lectures for lifelong learning of citizens. In FY 2009, the University organized 90 extension courses including on-demand high school classes and 3 public lectures, which were well received in various academic fields. Tohoku University has continued these educational activities made understandable for the public to strengthen cooperation with the community and for the purpose of disseminating information. As a result of these activities Tohoku University has maintained its position as a well-respected university.

## Tohoku University Shuyukai (Alumni)

Tohoku University Alumni Association "Shuyukai" was launched at the university's Centenary Event in 2007 to establish a basis of our university for the next century. The Shuyukai consists of 140,000 alumni students, the 18,000 students and 6,000 members of staff of our university, and family members of our students. The Shuyukai aims to promote interaction and exchange among its members and thus strengthen our bonds as a "Tohoku University community".

# Creating the "Tohoku University community" as a place for alumni members, university members and student's family members to come together.

We held "Home Coming Day at Tohoku University / Exchange Meeting in Kanto / Exchange Meeting in Kansai" to provide members with an opportunity to interact.

#### The Tohoku University 102<sup>nd</sup> Anniversary Home Coming Day (Shuyukai General Meeting / Seminar / Social Gathering)

10th October 2009, Saturday Venue: Tohoku University Centennial Hall (Kawauchi Hagi Hall) /

Kawauchi Kita Campus (Gymnasium)

11th October 2009, Sunday Venue: Tohoku University Centennial Hall (Kawauchi Hagi Hall)
Autumn Cultural Festival (Performance / Exhibit / Concert)





Autumn Cultural Festival (Performance)



The Tohoku University 102<sup>nd</sup> anniversary Home Coming Day Memorial Concert

#### The Tohoku University 102<sup>nd</sup> Anniversary Exchange Meeting in Kanto

2<sup>nd</sup> August 2009, Sunday Venue: Sapia Tower (Tokyo Station Conference 5<sup>th</sup> floor)

15:00∼17:30 Lecture Meeting 18:00∼19:00 Social Gathering

#### The Tohoku University 103rd Anniversary Exchange Meeting in Kansai

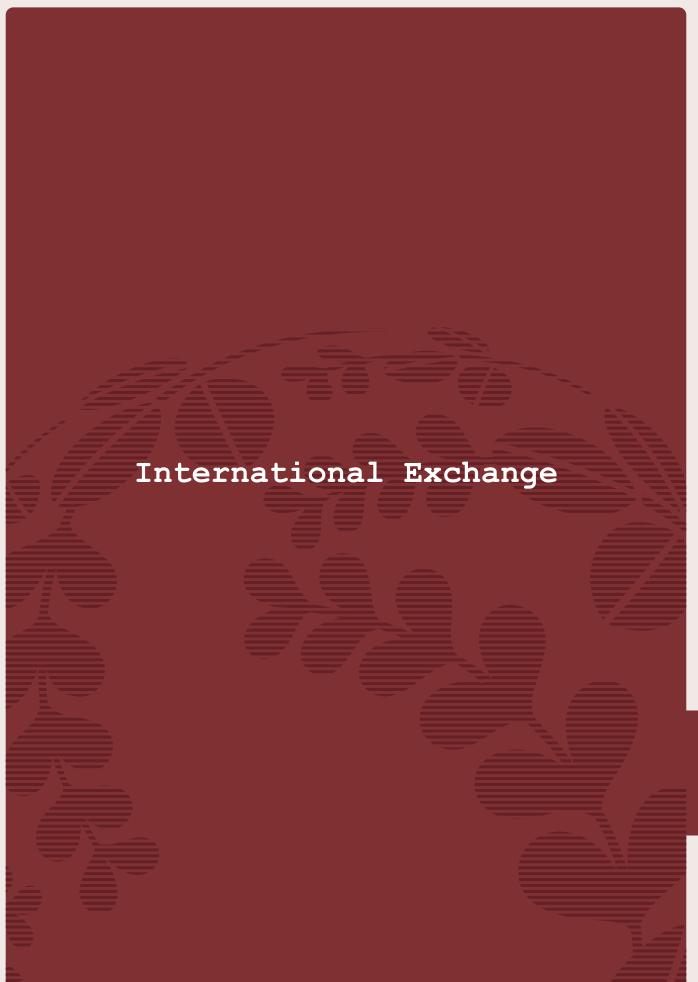
6<sup>th</sup> February 2010, Saturday Venue: Creation Core Higashi Osaka (South Facility 3<sup>rd</sup> floor)

13:00~14:20 The Science Café 14:30~17:00 Lecture Meeting

17:30~19:30 Alumni Kansai Branch General Meeting / Social Gathering



Alumni Kansai Branch General Meeting / Social Gathering



## **University Consortia**

#### **APRU: Association of Pacific Rim Universities**

http://www.apru.org/

The Association of Pacific Rim Universities (APRU) was established in 1997 with aim of fostering cooperation in education, research and enterprise thereby contributing to the economic, scientific and cultural advancement in the Pacific Rim. APRU has grown rapidly to become a reputable international organization of premier research universities in the Pacific Rim. APRU is now composed of 42 universities, Tohoku University joined APRU in 2008. APRU organizes student-centric activities, research-centric activities, and human capital development activities. APRU holds annual meetings for presidents and senior staff of the APRU member universities to discuss and plan APRU's future activities.

#### **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 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 sports 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.

#### 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 been open 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 56 member institutions from 22 countries. Its main focus is master-level Double Degree Programs and it 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 the Support Program for International Cooperation and Collaboration - support for comprehensive strategy - by the Ministry of Education, Culture, Sports, Science and Technology (MEXT), for unprecedented large-scale exchange programs with T.I.M.E. member institutions.

#### Global 30

The "Project for Establishing Core Universities for Internationalization (Global 30)" was enacted by the Ministry of Education, Culture, Sports, Science and Technology in 2009 to support a government plan to increase the number of incoming international students to 300,000 by 2020. As a selected Global 30 core university, Tohoku University launched a program called "Future Global Leadership" which aims to produce students who possess an international perspective, high-level of education and specialist knowledge, and solid research and practical skills, and to foster and produce leaders who will be active on a global scale. As a part of this program, Tohoku University has established a number of degree courses which students can take in English and will inaugurate more such courses soon. Other internationalization strategies are: expansion of short-term exchange programs, enhancement of the international student support system, promotion of study abroad for Tohoku University students and development of on-campus internationalization.

#### **Courses Offered in English**

M=Master's course, D=Doctoral course

	Name of the Courses	School	Year of Establishment
	Advanced Molecular Chemistry Course	Faculty of Science	October, 2011
Undergraduate Courses	International Mechanical and Aerospace Engineering Course - Undergraduate	School of Engineering	October, 2011
	Applied Marine Biology Course	Faculty of Agriculture	October, 2011
	International Doctoral Program in Engineering, Information Sciences and Environmental Studies (D)	Graduate School of Engineering, Information Sciences, Environmental Sciences	October, 2001
	International Graduate Program for Advanced Science $(\mathrm{M/D})$	Graduate School of Science	October, 2004
	International Post-Graduate Program in Human Security (M/D)	Graduate School of Medicine, Environmental Studies, Agricultural Science and International Cultural Studies	April, 2005
	International Program for Environmental Sustainability Science (M/D)	Graduate School of Environmental Sciences	October, 2009
Graduate Courses	International Program in Economics and Management (M/D)	Graduate School of Economics and Management	October, 2010
(Chronological order of established year)	International Mechanical and Aerospace Engineering Course - Graduate (M)	Graduate School of Engineering	October 2010
,	International Materials Science and Engineering Course (M)	Graduate School of Engineering	October, 2010
	International Course of Life Sciences (M/D)	Graduate School of Life Sciences	April, 2011
	Information Technology Science Course (M)	Graduate School of Information Sciences	April, 2011
	Interface Oral Health Science Course (D)	Graduate School of Dentistry	October, 2011
	Basic Medicine Course (M)	Graduate School of Medicine	April, 2012
	Network Medicine Course (D)	Graduate School of Medicine	April, 2012
	International Graduate Program in Language Sciences (M)	Graduate School of International Cultural Studies	October, 2013

#### 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 degrees 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 the Japanese Government Scholarship.)

http://www.sci.tohoku.ac.jp/english/2nd/igpas.html

## International Program for Environmental Sustainability Sciences

The International Program for Environmental Sustainability Sciences is a course for master's and doctoral students from overseas seeking expertise in environmental science. The course will enable students to take active roles in dealing with environmental issues. Annual enrollment is limited to 7 students for the master's course and 5 students for the doctoral course per year.

http://www.kankyo.tohoku.ac.jp/en/g30.html

#### International Post-Graduate Program in Human Security

This program conducts research and education for understanding intricate structure of various problems spreading to the areas of Food, Health, Environment and Regional Community with the goal of contributing to true "Human Security" (4 master's students and 6 doctoral students are admitted as of 2010.4.)

http://human-security.jp/

### Tohoku University Day

Tohoku University was selected as one of 13 core universities of Global 30 project by Ministry of Education, Culture, Sports, Science and Technology (MEXT) in 2009. In order to promote receiving many excellent students and student exchange programs, Tohoku University started to hold a series of "Tohoku University Day" in cooperation with counterpart universities. Its main purpose is introduction of Tohoku University and explaining the study at Tohoku University as international students. "Tohoku University Day" was held at Shanghai Jiao Tong University, Shanghai, China on December 18, 2009, at Northeastern University in Shenyang, China on March 13, 2010 and at Bandung Institute of Technology, Bandung, Indonesia on March 18, 2010 in 2009 fiscal year. "Tohoku University Day" will be held at some universities in China in 2010 fiscal year.







TESP Hands-on-Activity



TESP Japanese Culture Experience

## **Students Exchange Programs**

#### **Double Degree Program with Overseas Institutions**

As society becomes increasingly globalized, Tohoku University has launched double degree master's programs with elite institutes of higher education in France, Sweden and China to develop the next-generation of human resources. In fiscal year (FY) 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) became our program partners in France, both of which are grandes écoles, leading institutes which attract top students from France and other countries around the world, offering the finest in education. KTH (Royal Institute of Technology), Sweden and Tohoku University signed their MOU for Double Degree program in March, 2009. KTH is a leading technical institution in Europe and conducts extensive international student exchange. Our 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 deal with the fields of agricultural science, engineering, environmental studies, information sciences and science.

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

The main purpose of this program is to offer international students an opportunity to take science and engineering 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 the course awards the same credits as equivalent courses offered in Japanese.

The program also offers courses on the Japanese language, culture and society aimed at promoting 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 the activities of research groups.

The one-year course commences on October 1st admitting approximately 70 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.

## **Students Exchange Programs**

### Tohoku University International Program in Liberal Arts (IPLA)

IPLA provides an opportunity for overseas students to study a variety of Liberal Arts classes including Economics, Management, Education and Literature at Tohoku University, Japan. The program also offers Japanese language and culture classes in order to provide students with an understanding of Japanese language and customs. Participating students are required to take Japanese language and culture classes and Independent Study along with the IPLA seminar where the students report their study progress and receive feedback from their colleagues. Some advanced students may take graduate level classes offered at Tohoku University.

All the classes will be taught in English including Japanese language classes.

Students who have attained adequate Japanese proficiency may take advanced Japanese language classes taught in Japanese or regular classes with Japanese students.

Culture and intellectual exchange with Japanese students is an important part of the program and is achieved through group activities and interaction with local Japanese students both in classes and as extracurricular activities.

http://www.insc.tohoku.ac.jp/cms/index.cgi?pg=100915141356

## Industrialised Countries Instrument Education Cooperation Programme (ICI ECP) and Cooperative Laboratory Study Program (COLABS)

ICI ECP and COLABS are graduate-level research oriented programs which offer an opportunity for international students from partner universities to take scientific research training in the assigned research laboratory as well as to get basic education courses taught in English. In the ICI ECP and COLABS, there is a wide range of research topics in science, engineering, information science, life science, environmental studies, bio-engineering, and agriculture on offer and students are encouraged to conduct their researches in new, interdisciplinary, scientific fields.

http://www.insc.tohoku.ac.jp/cms/index.cgi?pg=70801104245

#### Summer Programs

#### Tohoku University Summer Program (TUSP)

TUSP is an interdisciplinary program for undergraduate students and started in 2007. This year, TUSP 2010 adopted the theme "Interdisciplinary Study between Advanced Technology and Social Science". Students from counterpart universities of China, Finland, France, and the United States attended this program for two weeks (July 25 - August 7) in 2010.

#### **Tohoku University Engineering Summer Program (TESP)**

This program is research oriented summer program at master course level in the field of Science and Engineering and started in 2010. The theme of this year's program was "Robotics" and the duration was two weeks (July 25 - August 7). The participating students came from counterpart universities in Europe.

#### Renault Program

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

#### MBA Dauphine - Sorbonne - Renault

This program offers courses that will allow students to acquire corporate management techniques, management techniques in a global environment, and the necessary management skills in higher levels of corporate responsibility.

#### Master ParisTech Fondation Renault

The program goal is to foster human resources who are able to take responsibility for a project by adapting it to the context of sustainable development, as well as with respect to the main issues at stake in the transportation sector, namely those of intermodality, the interface between transportation systems, space and mobility, and the economic and social impact of the transportation sector.

#### **Cycle Majors Renault**

This program offers Japanese graduate students the opportunity to stay in France for a year to study the subject of their choice, providing it is connected with business professions. Each application will be examined so as to guide students towards the most appropriate 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 practical Japanese and basic academic skills in Japanese and to help them to adapt to their new living environments.

#### **Total of 144 institutions**

#### **University Level Agreements**

#### 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 Sheffield The University of York

#### France

- \* École Centrale de Lille
- \* École Centrale de Lyon
- \* École Centrale de Marseille (EGIM)
- \* École Centrale de Nantes
- \* École Centrale de Paris
- \* École des Mines d'Albi-Carmaux
- \* École Normale Supérieure de Lyon
- \* École Polytechnique
- \* Global Education for European Engineers and Entrepreneurs (GE4)
- \* Institut d'Études Politiques de Lyon
- \* Institut National des Sciences Appliquées de Lyon
- \* Institut Polytechnique de Grenoble
- \* Université Bordeaux 1
- \* Université de Rennes 1
- \* Université de Strasbourg
- \* Université de Technologie Compiègne
- \* Université Joseph Fourier
- \* Université Lumière Lyon 2
- \* Université Pierre et Marie Curie (PARIS VI)
- \* Université Pierre Mendés France
- \* Université Rennes 2 Haute Bretagne
- \* Université Stendhal

#### Italy

\* Università degli Studi di Firenze Università degli Studi di Roma "La Sapienza"

#### Morocco

\* Université Mohammed V-Agdal

#### Austria

\* Universität Wien

#### Ukraine

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

#### Iran

\* University of Tehran

#### Belgium

Belgian Nuclear Research Centre (SCK • CEN)

#### Switzerland

École Polytechnique Fédérale de Lausanne

#### Germany

- \* Georg-August-Universität Göttingen
- \* Rheinisch-Westfälische Technische Hochschule Aachen(RWTH Aachen)
- \* Technische Universität Berlin
- \* Technische Universität Darmstadt
- \* Technische Universität Dortmund
- \* Technische Universität Dresden
- \* Universität des Saarlandes

#### Sweden

- \* Chalmers University of Technology
- \* KTH Royal Institute of Technology
- \* Stockholm University
- \* Umeå University
- \* Uppsala University

#### Finland

- \* Aalto University School of Science and Technology (Helsinki University of Technology)
- \* Tampere University of Technology
- \* University of Oulu



#### Thailand

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

#### Singapore

\* National University of Singapore

#### Indonesia

- \* Bogor Agricultural University
- \* Gadjah Mada University
- \* Institut Teknologi Bandung
- \* Universitas Indonesia

(As of May 2010)

# Poland Institute of Catalysis and Surface Chemistry, Polish Academy of Sciences Russia \* Lomonosov Moscow State University \* Novosibirsk State University Siberian Branch of the Russian Academy of Sciences Mongolia \* Mongolian University of Science and Technology \* The Mongolian Academy of Sciences Venezuela \* Universidad Simón Bolívar \* National Cheng Kung University \* National Chiao Tung University \* National Chung Cheng University \* National Chung Hsing University \* National Taiwan Ocean University \* National Taiwan University \* National Tsing Hua University, Hsinchu New Zealand \* The University of Auckland Australia \* The Australian National University \* The University of New South Wales

\* The University of Sydney

#### Canada

- \* University of Ottawa
- \* University of Waterloo

#### United States of America

- \* Colorado School of Mines
- \* Institute of International Education
- \* Pennsylvania State University
- \* Purdue University
- \* Syracuse 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
  - Chinese Academy of Social Sciences
- \* Chongqing University
- \* Dalian University of Technology
- \* East China Normal University
- \* Fudan University
- \* Huazhong University of Science & Technology
- \* Jilin University
- \* Lanzhou University
- \* Nanjing University
- \* Nanjing University of Aeronautics and Astronautics
- \* Northeastern University
- \*Ocean University of China (Ocean University of Qingdao)
- \* Peking University
- \* Shanghai Jiao Tong University
- \* Southeast University
- \* 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
- \* Kyung Hee University
- \* Kyungpook National University
- \* Pohang University of Science and Technology(POSTECH)
- \* Pukyong National University
- \* Pusan National University
- \* Seoul National University
- \* Sogang University
- \* Yeungnam University
- \* Yonsei University
- (\*) indicates institutions which agree upon a mutual application, matriculation and tuition waivers for students from the partner institution.

## **Total of 301 institutions**

## Department Level Agreements

Departments	Areas	Countries and Regions	Institutions
Graduate School /	Asia	Taiwan	College of Foreign Languages, Fu Jen Catholic University
Faculty of Arts and Letters (4)			College of Liberal Arts, National Sun Yat-sen University
			Institute of Chinese Literature and Philosophy, Academia Sinica
			Institute of History and Philology, Academia Sinica
Graduate School / Faculty of Education (6)	Asia	China	Center of Japanese Studies, Peking University
raculty of Education (6)		Korea	College of Sciences in Education, Yonsei University
		Taiwan	Graduate School of Social Education, Myongji University  National Taitung University (Teachers College)
	Europe	U. K.	Institute of Education, University of London
	Luiope	0. K.	The Department of Educational Studies, The University of York
Graduate School /	Asia	China	Institute of Law, Chinese Academy of Social Sciences
School of Law (7)		Korea	College of Social Sciences, Kookmin University
	Central and South America	Brazil	Faculty of Law and LL.M. Program, Federal University of Rio Grande do Sul
	Europe	Germany	Faculty of Law, Universität Heidelberg
			Faculty of Law, Georg-August-Universität Göttingen
		Italy	Facoltà di Giurisprudenza, Università degli Studi di Milano
0   1   0   1   1   5		Poland	Faculty of Law, Maria Curie-Sklodowska University
Graduate School of Economics and Management /	Asia	China	College of Finance, Hunan University
Faculty of Economics (7)			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
		Vietnam	Faculty of International Economics, Foreign Trade University
	Europe	U. K.	Faculty of Social Sciences, University of Leicester
Graduate School /	Asia	China	College of Life Science and Technology, Jinan University
School of Science (30)			Graduate School of Chemical Engineering, Dalian University of Technology
			Lanzhou University
			School of Environmental Sciences and Engineering, Sun Yat-Sen University
			Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences
			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
		Taiwan	National Fisheries Research and Development Institute Institute of Earth Sciences, Academia Sinica
		Thailand	Faculty of Economics, Chulalongkorn University
		Trialiana	Faculty of Science, 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, Universität Heidelberg
		Netherlands	Faculty of Biology, Utrecht University
		Russia	Institute of Automation and Control Processes of Far-Eastern Branch of the Russian Academy of Science
			<ul> <li>V. I. Il'ichev Pacific Oceanological Institute, Far-Eastern Branch of the Russian Academy of Scienc</li> <li>V.S. Sobolev Institute of Geology and Mineralogy, Siberian Branch of the Russian Academy of Scienc</li> </ul>
		U. K.	School of Chemistry, Physics and Environmental Science, University of Sussex
	North America	U. S. A.	Geophysical Laboratory, Carnegie Institution of Washington
			University of Alaska Fairbanks
			University of Illinois at Chicago
	Oceania	Australia	Faculty of Science, University of Melbourne
		New Zealand	Institute of Geological and Nuclear Sciences Limited
Graduate School /	Asia	China	Beijing Hospital
School of Medicine (8)			Chinese Medical University
		16	Harbin Medical University
		Korea	School of Health and Welfare, Woosong University
	Europe	Philippines Czech	San Lazaro Hospital Faculty of Medicine, Masaryk University
	Сигоро	Hungary	University of Debrecen School of Medicine
	Oceania	Australia	School of Nursing, Faculty of Health, Queensland University of Technology
Graduate School /	Asia	China	West China College of Stomatology, Sichuan University
School of Dentistry (7)		Korea	College of Dentistry, Chonnam National University
	Europe	Finland	Institute of Dentistry, Faculty of Medicine, University of Oulu
		Sweden	Department of Odontology, University of Umeå
		U. K.	King's College London Dental Institute
	North America	Canada	Faculty of Dentistry, University of British Columbia
Oradicate Cab1 - f.Dl	Asia	U. S. A.	The Forsyth Institute
Graduate School of Pharmaceutical Sciences / Faculty of Pharmacy	Asia	China	West China School of Pharmacy, Sichuan University
and Pharmaceutical Sciences (4)		Korea	College of Pharmacy, Chungbuk National University  College of Pharmacy, Sung Kyun Kwan University
	Europe	Italy	Facoltà di Farmacia, Università degli Studi di Milano
Graduate School /	Asia	China	College of Engineering, Chongqing University
School of Engineering (66)			Engineering Department, Zhejiang University
			Graduate School of Dalian University of Technology
			Harbin Institute of Technology
			Hebei Polytechnic University
			Institute of Chemistry, Chinese Academy of Sciences
			Northeastern University (Northeast Institute of Technology)
			University of Electronic Science and Technology of China
			Xidian University

(As of May 2010)

Departments	Areas	Countries and Regions	Institutions
Graduate School /	Asia	India	National Chemical Laboratory, Pune
School of Engineering (66)		Indonesia	Indonesian Institute of Sciences
			Institute of Technology Bandung (ITB)
		Varan	Sepuluh Nopember Institute of Technology (ITS)
		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, Rydingpook National University  College of Engineering, Seoul National University
			College of Engineering, Seoul National Oniversity  College of Engineering, Yeungnam University
			College of Engineering, Yearignam University  College of Engineering, Yonsei University
			College of Engineering, Tonser Oniversity  College of Engineering and Graduate School, Hanyang University
			Pukyong National University (National Fisheries University of Pusan)
		Philippines	Mindanao State University-Iligan Institute of Technology
		Taiwan	College of Science, National Changhua University of Education
		iaiwan	Industrial Technology Research Institute South, Taiwan
		Thailand	•
		mananu	Faculty of Engineering, King Mongkut's University of Technology Thonburi
			Faculty of Engineering of Prince of Songkla University
			Sirindhorn International Institute of Technology, Thammasat University
		\ f = 4 = = ===	Thai-Nichi Institute of Technology
		Vietnam	Hanoi University of Technology
			Institute of Materials Science, Vietnamese Academy of Science and Technology
			University of Science, Vietnam National University - Ho Chi Minh City
		0	Water Resources University
	Central and South America	Chile	University of Atacama
			University of Concepcion
	_	Mexico	Instituto Politécnico Nacional
	Europe	Czech	VSB-Technical University Ostrava
		Denmark	Technical University of Denmark
		Finland	Faculty of Telecommunication and e-Business, Turku University of Applied Science
		France	Ecole Normale Supérieure d'Architecture de Montpellier
			Ecole Normale Supérieure d'Electronique, Informatique et Radiocommunications de Bordeau
			Engineering School "French Institute for Advanced Mechanics" IFMA
			Institut National des Sciences Appliquées de Toulouse
			Université de Metz
			Université de Technologie de Troyes
		Germany	Department of Physics, Universität Regensburg
			Faculty of Engineering Sciences, Friedrich-Alexander-Universität Erlangen-Nürnberg
			Faculty of Mechanical Engineering, Faculty of Mining, Metallurgy and Geosciences, RWTH Aacher
			Institute of Microsystem Technology, Albert-Ludwigs-Universität Freiburg
			Technische Universität Hamburg-Harburg
		Russia	Institute of Microelectronics Technology and High Purity Materials, Russian Academy of Science
		Slovenia	Engineering Related Four Faculties, University of Ljubljana
		Sweden	Chalmers University of Technology
			KTH Royal Institute of Technology
			The Institute of Technology, Linköping University
		Switzerland	Swiss Federal Institute of Technology at Lausanne
		U. K.	School of Mechanical, Aerospace and Civil Engineering, Faculty of Engineerin
		0.11.	and Physical Sciences, 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
			Institute of International Education
	Oceania	Australia	Faculty of Engineering and Information Technology, Griffith University
Graduate School of Agricultural		China	College of Animal Science and Technology, Yangzhou University
Sciences /	, wia	Omia	Fisheries College, Ocean University of China
Faculty of Agriculture (13)			Shanghai Ocean University
, ,			Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences
		Vorce	College of Agriculture, Jeju National University
		Korea Taiwan	
		Thailand	College of Public Health and Nutrition, Taipei Medical University
		mananu	Faculty of Agriculture, Kasetsart University Faculty of Fisheries, Kasetsart University
	_		Faculty of Science, Kasetsart University
	Europe	Hungary	Szent István University
		Italy	Department of Experimental Medicine, University of L'Aquila
		Spain	Faculty of Science, University of Vigo
		Sweden	Faculty of Agriculture, Landscape Planning and Horticulture / Faculty of Veterinal
	Europo	Kura: =	Medicine, Swedish University of Agricultural Sciences
Producto Cobool -f	Europe	Kyrgyz	International University of Kyrgyzstan
	A -:-	Uzbekistan	Tashkent State University of Economics
nternational Cultural Studies (2)		Taiwan	College of Social Sciences, National Taipei University
nternational Cultural Studies (2) Graduate School of	Asia		School of Informatics, Kainan University
nternational Cultural Studies (2) Graduate School of	Asia		
nternational Cultural Studies (2) Graduate School of	Asia		The College of Public Affairs, National Taipei University
nternational Cultural Studies (2) Graduate School of	Asia	Thailand	Sirindhorn International Institute of Technology (SIIT), Thammasat University
nternational Cultural Studies (2) Graduate School of	Asia	Thailand China	Sirindhorn International Institute of Technology (SIIT), Thammasat University School of Information and Communication Engineering, Beijing Univesity of Posts and Telecommunication
nternational Cultural Studies (2) Graduate School of	Asia		Sirindhorn International Institute of Technology (SIIT), Thammasat University
nternational Cultural Studies (2) Graduate School of	Europe		Sirindhorn International Institute of Technology (SIIT), Thammasat University School of Information and Communication Engineering, Beijing University of Posts and Telecommunication
Graduate School of International Cultural Studies (2) Graduate School of Information Sciences (11)		China	Sirindhorn International Institute of Technology (SIIT), Thammasat University School of Information and Communication Engineering, Beijing University of Posts and Telecommunication School of Public Administration, Renmin
nternational Cultural Studies (2) Graduate School of		China Germany	Sirindhorn International Institute of Technology (SIIT), Thammasat University School of Information and Communication Engineering, Beijing University of Posts and Telecommunication School of Public Administration, Renmin University of China Karlsruher Institut für Technologie
nternational Cultural Studies (2) Graduate School of		China Germany	Sirindhorn International Institute of Technology (SIIT), Thammasat University School of Information and Communication Engineering, Beijing Univesity of Posts and Telecommunication School of Public Administration, Renmin University of China Karlsruher Institut für Technologie Faculty of Engineering, University of Basilicata

## Department Level Agreements (Continued)

Departments	Areas	Countries and Regions	Institutions
Graduate School of Life Science (4)	Asia	Korea	College of Agricultural and Life Science, Sunchon National University
lile Science (4)	_	Thailand	School of Biotechnology, Institute of Agricultural Technology, Suranaree University of Technology
	Europe	Czech	Faculty of Science, Masaryk University
Graduate School of	Asia	Netherlands Indonesia	Faculty of Biology, Utrecht University Institute of Technology Bandung (ITB)
Environmental Studies (4)	Asia	Korea	Gwangju Research Center, Korean Institute of Industrial Technology
	Europe	Germany	Leibniz Institute for Applied Geophysics
	Lurope	Uzbekistan	Tashkent State University of Economics
Graduate School of Educational	Asia	Thailand	Faculty of Education, Chulalongkorn University
nformatics Research Division (1)	, told	manana	Tabalty of Education, original strategic of the control of the con
nstitute for Materials Research	Africa	Egypt	Assiut University
(46)	Asia	China	School of Materials Science and Engineering, Beihang University
			School of Materials Science and Engineering, Dalian University of Technology
			School of Materials Science and Engineering, Tianjin University
			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
			Shanghai Institute of Ceramics, Chinese Academy of Sciences
			Tsinghua University
		14	Wuhan University of Technology
		Korea	Atomic Scale Surface Science Research, Yonsei University
			Ceramic Material Research Institute, Hanyang University
			College of Engineering, Inha University
			College of Engineering, Korea Maritime University
			Department of Metals and Materials Engineering, Sungkyunkwan University
			Division of Materials Science and Engineering, College of Engineering, Korea University Control (FMDEC)
			Electronic Components Materials 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
			Korea 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+CEN
		France	Ecole des Mines de Saint-Etienne, Centre Matériaux et Structures
			Institut National Polytechnique de Lorraine
			Laboratoire de Physico-Chimie des Matériaux Luminescents, Université de Claude Bernard-L
			Laboratoire de Termodynamique et Physico-Chimie Métallurgique, Institut Polytechnique de Grer
		Germany	Institute für Metallphsik der Georg-August-Universität Göttingen
			Karlsruher Institut für Technologie (Institute for Microstructure Technology Forschungszentrum Karlsruhe Gl
			Max-Planck Institut für Metallforschung
		Italy	Department of Physics, University of Pisa
		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 Sciences
		Slovenia	Jozef Stefan Institute, Ljubliana
		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
			University of California, Santa Barbara
stitute of Development, Aging of Cancer (5)	Asia	China	Liaoning Cancer Hospital and Liaoning Cancer Institute
u Carloti (J)	Centeral and South America	Cuba	Cuban Neuroscience Center
	Europe	Czech	Faculty of Medicine, Masaryk University of Brno
	North America	Russia	Smolensk State Medical Academy
stitute of Fluid Science (26)	North America Asia	U. S. A. China	The Bioacoustics Research Laboratory, College of Engineering, University of Illi College of Mechanical and Electrical Engineering, Nanjing University of Aeronautics and Astron
Stitute of Fluid Science (20)	Asia	Cillia	Department of Hydraulic and Hydropower Engineering, Tsinghua University
			Institute of Physics, Chinese Academy of Sciences
			Institute of Theoretical Physics, Chinese Academy of Sciences
		Korea	College of Engineering, Korea Advanced Institute of Science and Technolog
		Roica	College of Engineering, Sungkyunkwan University
		Singapore	Faculty of Engineering, National University of Singapore
		Jgap010	School of Mechanical and Production, Engineering, Nanyang Technological University of Original Technological University of
		Taiwan	National Nano Device Laboratories, National Applied Research Laboratories
	Europe	Czech	Institute of Plasma Physics, Academy of Sciences of the Czech Republic
		France	Institute of Plasma Physics, Academy of Sciences of the Gzech Republic
		Germany	Karlsruher Institut für Technologie (Institute for Fluid Mechanics, University of Karlsr
		Greece	School of Mechanical Engineering, National Technical University of Athens
		Hungary	Faculty of Chemical Technology and Biotechnology, Budapest University of Technology and Econo
		aga. y	Faculty of Pharmacy, Semmelweis University
			Research Institute for Technical Physics and Materials Science of the Hungarian Academy of Sci
		Italy	Faculty of Engineering, University of Trieste
		Romania	Faculty of Electrical Engineering "Polytehnica" University of Bucharest
			, ttttttt
			Institute of Power Mechanical Engineering and Mechanics, Moscow Power Engineering Institute (Technical Univ
		Russia	Institute of Power Mechanical Engineering and Mechanics, Moscow Power Engineering Institute (Technical Univ Institute of Theoretical and Applied Mechanics, Russian Academy of Science

(As of May 2010)

Departments	Areas	Countries and Regions	Institutions
Institute of Fluid Science (26)	North America	Canada	Institute for Aerospace Studies, University of Toronto
		U. S. A.	College of Engineering, Syracuse University
			College of Engineering, University of Kentucky
			George R. Brown School of Engineering, Rice University
	Oceania	Australia	Faculty of Engineering, University of New South Wales
Research Institute of	Asia	China	Institute of Semiconductors, Chinese Academy of Sciences
Electrical Communication (5)	Europe	France	Research Center of Condensed Materials and Nanosciences, National Center for Scientific Research
		Germany	IHP-Innovations for High Performance Microelectronics
		Poland	Institute of Physics, Polish Academy of Sciences
	North America	U. S. A.	WINLAB (Wireless Network Laboratory), Rutgers University
Institute of	Asia	China	Center for Nanoscale Science and Technology, Peking University
Multidisciplinary			Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences
Research for Advanced			College of Material Science and Engineering, Huaqiao University
Materials (27)			College of Materials Engineering, Zhengzhou University
			Northeastern University (Northeast Institute of Technology)
		Korea	Advanced Materials & Process Research Center for IT, Sungkyunkwan University
			Institute of Hybrid Materials for Information and Biotechnology, Hannam University
		Taiwan	ITRI South, Industrial Technology Research Institute
		Thailand	Faculty of Science, Chiang Mai University
	Europe	France	École des Mines d'Albi-Carmaux
	Luiope	Germany	Department of Physics, Free University of Berlin
		Ocimany	Institut für Festkörperphsik, Freidrich-Schiller-Universität Jena
			Institute for Crystal Growth
			Max-Planck-Institut für Kernphysik
		Italy	Sincrotrone Trieste, S. C. p. A.
		Romania	National Institute for Laser, Plasma and Radiation Physics
		Russia	Institute of Automation and Control Processes, Far Eastern Branch of the Russian Academy of Sciences
		Russia	Institute of Solid State Physics, Russian Academy of Sciences
			Research Institute of Nuclear Physics, Russian Academy of Sciences
			, , , , , , , , , , , , , , , , , , , ,
		U. K.	P. N. Lebedev Physical Institute of the Russian Academy of Sciences Science and Technology Facilities Council, Daresbury Laboratory (Daresbury
		U. K.	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
	North America	Cariaua	McGill Metal Processing Center, McGill University
		U. S. A.	Department of Chemistry, Columbia 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	Asia	China	Guangdong Institute of Ethnology
Northeast Asian Studies (10)	71010	Offina	Mongolia Study Institute, Inner Mongolia Normal University
			School of Mongolian Studies, Inner Mongolia University
		Korea	Center of Japanese Studies, Korea University
		Norca	Chinese Studies Institute, Korea University
		Mongolia	Geoscience Center, Mongolian University of Science and Technology
		Worlgolia	(Geoscience Center, Mongolian Technical University)
	Europe	Russia	Economic Research Institute, Russian Academy of Sciences Far Eastern Division
	Latopo	110010	Institute of the Humanities and the Indigenous Peoples of the North of the Siberial
			Branch of the Russian Academy of Sciences (Institute of Humanities, Academy of
			Sciences of the Republic of Sakha (Yakutia), Russian Federation)
			Ugra Research Institute of Information Technologies
			V. N. Sukachev Institute of Forest , Siberian Branch of the Russian Academy of Sciences
Cyclotron and	Asia	Taiwan	Institute of Physics, Academia Sinica
Radioisotope Center (1)			·
New Industry Creation Hatchery Center (NICHe) (1)	North America	U. S. A.	The University of Arizona
Center for Interdisciplinary	Asia	China	Shanxi Economic Management Cadre College
Research (3)	, tolu	Korea	Institute of Industrial Technology, Changwon National University
	North America	U. S. A.	Center for Integrated Systems, Stanford University
WPI Advanced Institute for	Europe	U. K.	Faculty of Mathematical and Physical Sciences (MAPS), University College Londor
Material Research (3)	Latope	U. IX.	The Department of Materials Science and Metallurgy (MSM), University of Cambridge
	North Amorica	11.0.4	
	North America	U. S. A.	College of Science, Texas A&M (Agricultural & Mechanical) University

## Number of Visiting Research Fellows from Overseas

Center for Information Technology in Education International Advanced Research and Education Organization The Comiler for Academic Research and Education Organization The Comiler for International Archives Center for International Research Center for Electron Photon Science Center for Northeast Asian Studies University Hospital Institute of Nutribuse of Electroa Communication Institute of Fluid Science Institute of Puelopment, Aging and Cancer Institute for Materials Research Institute for Materials Research Educational Informatics Biomedical Engineering Environmental Studies Life Sciences Information Science Engineering Pharmaceutical Science Engineering Pharmaceutical Sciences Communication Arts and Letters  Arts and Letters  Arts and Letters		Center for Interdisciplinary Research New Industry Creation Hatchery Center		Center for International Exchange	Institute of Liberal Arts and Sciences		Total
Asia Bangladesh 2 1 2 1							1 7
Cambodia         1           China         5         5         5         4         8         54         24         3         35         24         6         1         4         16         25         1         30         8         7	1 4	4	_		_	8 7	1 75 348
India 1 6 2 1 4 6 11 1		1				1	34
Indonesia 1 9 4 4 2 1 1 1 1 2							2 28
Malaysia 2 1 1			ш	_	_	_	1 5
Mongolia 1 2 1 4  Nepal 1						-	8
Philippines 2 1 9 1						-	13
Singapore 2 3 2 1 2 1 1 1 5							1 20
South Korea 16 2 3 2 10 8 2 29 1 6 1 1 18 17 3 51 4 5 2 6		2	_				11 200
Taiwan 13 2 1 16 4 1 6 2 2 1 1 4 7 1 1		1	1				3 67
Thailand 1 7 1 1 2 1 1 5  Vietnam 1 2 1 3 1 6			1				1 20 2 17
Middle and Iran 1 1						_	2
Near East Israel 1							1
Kuwait 2							2
Saudi Arabia						_	1 1
Syria         1           Turkey         1         1         1							3
Africa Cameroon 1			_			-	1
Egypt 4 1 1 1							7
Kenya 1							1
South Africa 3 1			_				4
Oceania         Australia         1         4         14         2         2         1         2         1         1         7         3         3         1           New Zealand         1         1         1         1         1         1			_		_	1	1 44 3
North Canada 3 1 8 4 1 2 2 8 2 3 5 3 1			_			1	16 59
America U.S.A. 10 3 2 50 26 1 2 25 4 1 8 21 27 4 13 10 15 1 9		1	1 1	1	1		10 263
Central Argentina 1 1							2
and South America Bolivia 1 1			_				2
Brazil         1           Chile         11           1         1	1	1	3		-	-	13
Cuba 2 1	<u> </u>	-				-	3
Mexico 3							3
Nicaragua 1							1
Europe Austria 1 1 1			1		_		4
Azerbaijan 1 1 2 1 4 1							8 18
Bulgaria 2 1					_		3
Czech 1 1 1 2			1				6
Denmark 2 2							4
Finland 1 1 1 1 1 2						_	3 11
France 7 13 1 22 1 1 21 1 2 1 5 1 6 14 7 16 1  Georgia 1	2	2	1			6 2	1 151
Germany 2 1 1 22 1 13 5 1 9 1 6 3 18 3			28			4	6 124
Hungary 4 3							7
Ireland 1							1
Italy         3         1         3         21         8         3         2         1         1         4         8           Kazakhstan         3						H	5 60
Luxembourg 1							1
Netherlands 2 3 2 3 1 4 1 1 2							1 20
Norway 2 3 1 1						Г	7
Poland 4 5 2							11
Portugal 1 1 1 1 Romania 2						٠	2
Russia 5 8 1 9 1 4 17						1 1	10 56
Slovakia 4 1							5
Slovenia 2 1						_	1 4
Spain 2 2 6 1 1 2 1						_	1 16
Sweden         3         2         2         2         2         3         2           Switzerland         2         3         1         1         2         2         1         2         3						1	7 25 18
UK 1 2 2 2 7 2 2 5 2 1 1 2 2 2					_	_	3 40
Uzbekistan 1							1
Total 70 14 35 24 267 143 3 13 163 45 3 54 73 18 5 0 111 14 126 43 195 0 41 7 32 6 0 0	0 1 8	8 4	36	1	0 4	15 19	92 1,792

## Number of Academic Studies Overseas

(FY 2009)

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	Divisions	Arts and Letters	Education	-aw	Economics	Science	Medicine	Dentistry	Pharmaceutical Sciences	Engineering	Agricultural Science	International Cultural Studies	Information Sciences	Life Sciences	<b>Environmental Studies</b>	Biomedical Engineering	Educational Informatics	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	University Library	University Hospital	Center for Northeast Asian Studies	Research Center for Electron Photon Science	Center for the Advancement of Higher Education	The Center for Academic Resources and Archives	Center for Information Technology in Education	Cyclotron and Radioisotope Center	New Industry Creation Hatchery Center	Center for Interdisciplinary Research	Cyberscience Center	Center for International	Institute of Liberal Arts and Sciences	WPI Advanced Institute for Materials Research	Others	
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Areas		S			Z Z				al S		cien	ultu	cien		St	gine	forn	ateri	omeni	id S	f Elec	y Resea	ary	spita	heas	ı Elec	cemer	mic R	on Tec	Radi	atior	disci	Cer	mat	ral A	tute fo		Total
					ana				cien		В	ıral s	es		dies	enin	natic	als F	:, Agir	cien	trical	arch for		_	st As	tron F	of H	allu Eul	hnolo	oisot	) Hat	plina	ter	iona	rts aı	or Mat		
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	Countries				ent							ies						arc	Can		unica	ed Mak			Studi	1 Scie	dlica	Jigalliza	duca	Cen	Cen	sea		Exchange	cienc	Resea		
	and Regions												_						ह्य		ğ	Mals.	_		es	nce	3 8	PS III	fion	व्	ter	로		ge	ès			
Asia	Bangladesh Cambodia							1		1			1												2		1								1	1		5
	China India	19		10	28 1	60 5	30 2			111		12 1	24		31	1	1	46	3	16 1	11	31 6		3	11	1	13	2	3	Н	9	2	3	1		19	3	629 46
	Indonesia Laos	10			3		2			8	19	4		2	28						1				1		1		3	1				1		2		119
	Malaysia		_				1			8			1	76	2							1					3						1			1	9	118
	Mongolia Myanmar		1			1	5 1			1	_1			2	3										2					_1								17
	Nepal Philippines		Н			1	34	_	_	_	1 3	_	Н	8			_	_	_	-	-	-	-		+		+		+	Н		_	_		_		_	46
	Singapore South Korea	15	12	6	2 8	9	10	9	2 11	14 78		7	20	1	14	7	1	7 62	5 4	13	7 15	<u>4</u> 55		1	4		9	3	4	1	2	1	2	2		10	6 9 4	93
	Sri Lanka									1						J												J	7									1
	Taiwan Thailand	13		1	4 5	4	15 6		7 2	18	10		1	17 5			1	1	3	7	2	13			1		6	1				1				7	9	77
Middle and	Vietnam Israel				4	2	_ 1			5		1	1		8			2			_ 1		$\vdash$		-		1				2						7	33
Near East	Lebanon Qatar		Е			1							Е		1										1		4			Е								1 2
	Saudi Arabia						1																		_		1											_ 1
	Syria Turkey					1	3			1		4			2	1		1				1																3 16
Africa	Egypt Kenya		Н		_	1	2	_		_	-		1		2		_	_	_	_	-	-	-	-	+		+		1	Н	-		_		_		_	6 5
	Morocco South Africa					4	3	2	2		2						1		1						1		4										2	13
	Sudan				1	_																			_													_1
	Tunisia Uganda			1									2																1									2
Oceania	Australia New Zealand		1		1	14	<u>5</u>	2		15		1	_	8	2	6		2	3	9	1	9			3		2			1	1		1	1	1		1	76 39
North	Samoa	1			3		3			19			6	2	3		1	2		2	-	9			_		1			2				_			2	1
America	Canada U.S.A.	14	2	2		113		26	21	194		15		42	14		2	86	5 35	38	5 58			10	17		12		6 2			9	13	13		33	12	84
Central and South	Argentina Bolivia									4				1	2			1									2											6
America	Brazil Chile	1		1		4		1		3	1		Н					1			1	1			1		-			Н						1		15 4
	Colombia Cuba											1							3						1													1
	Guatemala											1							J																			1
	Mexico Nicaragua	1					1			1		1										2																<u>5</u>
Europe	Peru Armenia		_		_				_	1	_		_				_		_	_	_	_	_		-		+			-			2				-	4
	Austria Belarus	2			2	9	16			16		2	2		6			6	2	1	5	4					1				5							81
	Belgium	2		1	1	3		1		4	1							8				3	2														2	28
	Bosnia and Herzegovina									1																												1
	Bulgaria Croatia		-							1	-		-					_	_	_		_			1	-	+	-	+	-			_					1
	Czech Denmark	2	3			3	1		1	11			1	1	1			1 5		1		6			3		1					1					4	32 25
	Estonia		1			2				7								1		1	_	1			Ů		1							1				1 28
	Finland France	9	1	8	3	33	11	1	5	58	7	2			4			24	4	25	6	12		1	1		3		3	2						14	9 :	261
	Germany Greece	1		6	3	40			1	62 8		5 1			9	1		43		9		36 2		1	2		1	1	1		1	1	5			15	9 ;	320 24
	Hungary Iceland		F			1		1		3			4	1				3				F			7		-			Н							1	13
	Ireland	1	_			3 25		_	2	27	2	1		3		4		8		1 4	3	7		1	1		1		1		3		3			6	9	9
	Italy Kazakhstan	4	Ľ			20				21				3		4		ō		4	3	-7			2						3		3			0	9	2
	Latvia Lithuania		1				1																															1
	Luxembourg Malta					2				1			1														-											3
	Netherlands	4	1	1	6	2	3			8	1	1		2		1		6	7	1	1		3		3		2						1	1		1		67
	Norway Poland					2				1			7					3		5	2	4			_				1			2				2	4	19 29
	Portugal Romania						2			7		2				1											1											13 2
	Russia Serbia	1				9	2			6	3		1		1			6		5	_	2			18		2			H		1				3	11	69 2
	Slovakia			,		2				1					2			1				3														1		7
	Slovenia Spain				1	10				10	3		4			1		6		1	7	9			1		1			2			2			4		74
	Sweden Switzerland	2		1		14	3	1		14		1			1	2		4 6		1	1 2	1			3		3		1		1	1				1	1	39 54
	UK Ukraine	2	4	4	12				3			6	4	27	1			10		3					3		3		1	Н		1				11	16	
Others	Uzbekistan Others					-1						1													2											=		3
	<u>Otners</u> Total	118	46	46	107	450	346	73	65	809	134	83	153	228	151	48	8	358	87	149	151	309	7	17	86	1	70	7 2	6 2	16	49	22	34	23	2	134	280 4	

## Number of International Students by Funding Status and Student Levels

				Funding	Status								St	tudent	Leve	els				
		Japar Govern	nese			Means			Und	Gr	aduat		Resea	rch Stu	dents	Lar		Oth	ners	
Areas	Countries and Regions	Schola	rships	Forei	ign iment	Othe	rs	Total	Undergraduates	Master' Master'	Doctora	Doctora (4-year	Underg Schook	Gradua	Researd	nsive J guage I	Special (Under	Special (Gradu	Special Student	Special
	regions	Male	Female	Fundale Fundale	Female	Male	Female	=	uates	Master's Course/ Master's Program	Doctoral Program	Doctoral Program (4-year course)	Undergraduate Schools	Graduate Schools	Research Institutes	Intensive Japanese Language Program	Special Auditors (Undergraduates	Auditor: ates)	Special Research Students	Special Students
A . 1 .	December desert				ale				_			3		ols	es		S T		유	(y)
Asia 1,273 (84.2%)	Bangladesh Brunei	10	1			6	4	22 1	1	1	14	4				1				
	Cambodia	1	1					2	2											
	China India	48 7	22		4	296 1	362	744 10	29 1		180 5	26 2	128	8	19	2			18	
	Indonesia	22	10			17	8	59	7		24	2	1	2		1				
	Malaysia	4	4		8	5	2	42	26	5	8	2		1						
	Mongolia Myanmar	2	9			71	14	34 6	8	5	11 6	1	8	1						
	Nepal	4						4		3	1									
	Pakistan	1	1					2			1					1				
	Philippines South Korea	30	4 11			109	69	13 220	35	46	7 87	1 2	1 8	5	2	1	33		2	
	Sri Lanka	1	- 11	-		109	1	220	33	40	2		0	3			33			
	Taiwan					18	25	43		11	10		5	3			8	2		
	Thailand	8	8		1	88	8	34	3		12		1	1		1	6		1	
Middle and Near East	Vietnam Bahrain	13 1	4			12	6	35 1	12	9	11		3							
32 (2.1%)	Iran	6	1			5	7	19		3	12	1		1		2				
	Palestine	1						1				1								
	Saudi Arabia Syria	1		1		11		2				1		1						
	Turkey	4	1			1		6		1	5									
	Yemen	2						2			1		1							
	Cameroons Congo	2				1		1		1	2	1								
	Egypt	1		4		2	3	10		1	7									
	Ghana		1					1		1										
	Kenya Libya	5	1				1	1 6	1	1	2	1				2				
Africa	Morocco	1				1		2		1	1									
31 (2.1%)	Nigeria	1						1			1									
	Sudan Tanzania	1 2					_	1 2		1	1									
	Tunisia					2		2		'	2									
	Uganda	1						1	1											
Oceania 1 (0.1%)	Australia	1						1		1										
North America	Canada					1		1									1			
35 (2.3%) Central and South America	U.S.A. Bolivia	<u>5</u>	1			24	5	34 2	1	4	<u>3</u>		1			1	24			
38 (2.5%)	Brazil	7	1			1		9	1		2					3				
	Chile	1						1								1				
	Colombia Cuba	5				1		5 1		2	<u>3</u>									
	Ecuador	1						1					1							
	Honduras	1						1								1				
	Mexico Nicaragua	4	1				_	5		2	2	1				1				_
	Panama	2	1			11		1		2	1									
	Peru	3	1					4		1	1					1				
Europe	Venezuela Albania	1	1			1	1	5 2		1			1			1	1			
101 (6.7%)	Austria	<u> </u>	1					1			1		'							
	Azerbaijan	1						1		1										
	Bosnia and Herzegovina Bulgaria	1 2	1					1		1				1		2				
	Czech					1		1											1	
	Estonia		1					1		1										
	Finland France	2				22	1 4	5 28		2	8						3		13	
	Germany	1				8	2	11			3						3		5	
	Hungary		2					2								1				
	Iceland Italy	1				1	1	1 2		1	2									
	Kyrgyzstan		2					2			1		1							
	Netherlands					1		1											1	
	Norway Poland	1				1	1	2			2								1	
	Romania	1	2					3	1	1	1									
	Russia	2	4				1	7	1	2	1		2				1			
	Slovakia		1			40	1	2	1			1					40		2	
	Sweden Turkmenistan		1			12 1	3	15 2		2							12		3	
	UK	2				1		3		2	1									
	Ukraine					1	1	1			1								1	
	Uzbekistan																			

## Number of International Students by Discipline

(as of May 1, 2010)

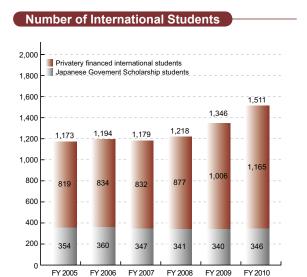
	Divisions		Arts	Edu	Law	Eco	Science	Medicine	Den	Pha	Eng	Agri	Inter	Info	Life	Envi	Biomedical Engineering	Edu	Instit	Insti Agir	Insti	Res	Instit Rese	Cent	Cent	Cent	WPI Mate	Cent
			Arts and Letters	Education		nomi	nce	licine	Dentistry	Pharmaceutical Sciences	Engineering	Agricultural Science	rnatio	Information Sciences	Life Sciences	Environmental Studies	nedio	Educational Informatics	tute f	Institute of Development, Aging and Cancer	Institute of Fluid Science	Research Institute of Electrical Communication	ute o	er for	ter fo	er for	Adva erials	er for
			Lett	š		ics a			_	euti	ring	ıral s	onal	ion	nces	nent	cal E	nal I	ŏ.	S D	of F	h Ins	f Mul	Nort	r the	Interd	nced	Inter
Areas		Total	ers			nd N				cals		cier	Cult	cier	U)	al St	ingir	nfor	ateri	evel	uid s	mme	tidisc	neast	Adv	liscipl	Insti	natic
		_				/ana				scien		Се	ural	ıces		udie	neerii	matio	als R	ii op me	Scier	e of unica	piplina ced I	Asia	ance	inary	itute f	onal E
	Countries and Regions					Economics and Management				ices			International Cultural Studies			S	ng	SS	Institute for Materials Research	ent,	псе	ition	Institute of Multidisciplinary Research for Advanced Materials	Center for Northeast Asian Studies	Center for the Advancement of Higher Education	Center for Interdisciplinary Research	WPI Advanced Institute for Materials Research (WPI-AIMR)	Center for International Exchange
Asia	Bangladesh	22				1	3	4		3	7			1	1													1
	Brunei Cambodia	2				1		1		1																		
	China	744		16	24		35	52	2		157	32	74	61	7	42	7	19	2	1		7	1	5	1	1	1	1
	India	10				1		2			3				1	1												2
	Indonesia Malaysia	59 42				3	9	2		1	30	5 1	1	5	1	<u>4</u> 1						_						1
	Mongolia	34		4		7	3	1		1			10	1		2		1										
	Myanmar	6					2				2					1												
	Nepal Pakistan	4 2					1				2			1														1
	Philippines	13					1	1			4	3		1	1	1												1
	South Korea	220		4	5	19	7	8	3	3	95	3	17	7	2	9	2				1	1						
	Sri Lanka Taiwan	43		3		4	2	3			11		9	1	1	1	1											
	Thailand	34				4	1	3			13	1		7	1	1		1										1
	Vietnam	35				4	3			2	18		2	3		3												
Middle and Near East	Bahrain Iran	1 19					1	2	1		9	1		1			1	_										2
7700. 2001	Palestine	19						1			9																	
	Saudi Arabia	2							2																			
	Syria	1					1		1																			
	Turkey Yemen	6 2				1					5 1																	
Africa	Cameroons	1						1																				
	Congo	3				1		1			1			4	4													
	Egypt Ghana	10						3			1			1	1	3												
	Kenya	1									1																	
	Libya	6						1			1					2												2
	Morocco Nigeria	1					_				1						_											
	Sudan	1										1																
	Tanzania	2						1						1														
	Tunisia Uganda	1				1					1																	
Oceania	Australia	1					1																					
North	Canada	1					1																					
America Central and	U.S.A. Bolivia	34 2			1	_	7				20		1	1		1												1
South	Brazil	9						1			1			1			1	1										3
America	Chile	1																										1
	Colombia Cuba	5 1					1				3				1	1												
	Ecuador	1														1												
	Honduras	1																										1
	Mexico Nicaragua	5 1					1	1			1			1		1												1
	Panama	3				1					2																	
	Peru	4				1					1	1																1
Europe	Venezuela Albania	5 2			1	1					1			1		1						_						1
Luiope	Austria	1											1															
	Azerbaijan	1											1															
	Bosnia and Herzegovina	3									1			_														
	Bulgaria Czech	1									1																	2
	Estonia	1			1																							
	Finland	5					1_				4			-														
	France Germany	28 11			5 2		3				13		1	5 2			1											
	Hungary	2																										1
	Iceland	1																										
	Italy Kyrgyzstan	2			1		1																					
	Netherlands	1													1													
	Norway	2									2																	
	Poland Romania	3			1		1	1			1		1															
	Russia	7		1		2					1		- 1															
	Slovakia	2					1	1																				
	Sweden	15 2				2	3				8			1														
		- 2				- 2																						
	Turkmenistan UK	3										1	1															
			1									1	1			1												

## **Statistics on Personnel Exchange**

#### Academic Exchange 5,000 Visiting research fellows from overseas 4,695 Academic staff studying overseas - - 3,845 - - - - 3,865-4,000 3,500 3,000 2,500 2,000 1,792 1,590 1,216 1,069 1,000 500

FY 2007

FY 2008



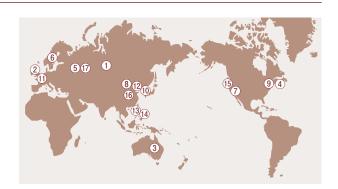
## **Overseas Offices**

#### Liaison Offices

Institution (Location)	Country (Starting Date)	Liaison Office	Department/Institute of TU
Siberian Branch of Russian Academy of Sciences (Novosibirsk Science Center)	Russia (September 22, 1997)	Joint Laboratory of Interdisciplinary Projects for Tohoku University and Siberian Branch of Russian Academy of Sciences, Novosibirsk Office	Center for Northeast Asian Studies
2 University of Cambridge (Department of Materials Science and Metallurgy)	U. K. (April 23, 2002)	WPI-IFCAM Cambridge Office	WPI Advanced Institute for Materials Research
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
Harvard University (Division of Engineering and Applied Sciences)	U. S. A. (May 31, 2002)	WPI-IFCAM Harvard Office	WPI Advanced Institute for Materials Research
Moscow State University (Faculty of Physics)	Russia (June 21, 2002)	Liaison Office of Tohoku University	Institute of Fluid Science Graduate School of Engineering Institute for Materials Research
Royal Institute of Technology (Department of Materials Science and Engineering)	Sweden (September 6, 2002)	WPI-IFCAM Stockholm Office	WPI Advanced Institute for Materials Research
Stanford University     (Geballe Laboratory for Advanced Materials)	U. S. A. (February 11, 2003)	WPI-IFCAM Stanford Office	WPI Advanced Institute for Materials Research
8 Institute of Physics, Chinese Academy of Sciences (State Key Laboratory for Surface Physics)	P. R. China (February 20, 2003)	WPI-IFCAM Beijing Office	WPI Advanced Institute for Materials Research
9 Syracuse University (L. C. Smith College of Engineering and Computer Science)	U. S. A. (November 11, 2003)	IFS Syracuse Office	Institute of Fluid Science
(Department of Mechanical Engineering)	Korea (December 18, 2003)	Liaison Office of Tohoku University	Institute of Fluid Science
Institut National des Sciences Appliquées de Lyon (Materials Science and Physical Metallurgy Laboratory)	France (January 23, 2004)	Liaison Office of Tohoku University	Institute of Fluid Science Graduate School of Engineering Institute of Development, Aging and Cancel
Dalian University of Technology (School of Materials Science and Engineering)	China (October 7, 2005)	Overseas IMR·DUT Research Center	Institute for Materials Research
Research Institute for Tropical Medicine	Philippines (May 1, 2007)	Research Center for Emerging and Re-emerging Infections	Graduate School of Medicine
(1) Eastern Visayas Regional Medical Center	Philippines (January 11,2008)	Research Center for Emerging and Re-emerging Infections, Tacloban Office	Graduate School of Medicine

#### Overseas Offices

Overseas Office	Date Established
15 Tohoku University US Office	(May 24, 2006)
16 Tohoku University China Office	(April 20, 2007)
Tohoku University Russia Office (Japanese Inter-University Russia Office)	(September 11, 2010)



Campuse

#### Profile

Sendai is one of the traditional cities of Japan yet is known as a modern city that harmonizes its beautiful nature and urban life. The city was founded in 1600 by *Masamune Date*, a famous feudal lord, and prospered as the economic and political center of northern Japan. It is one of Japan's 14 major cities and has a population of one million.

Sendai is the largest city in the Tohoku (northeast) region of Japan and is home to many governmental branches. It is well-known by its nickname "Mori no miyako" (city of trees) as most of its major streets and avenues are lined with zelkova trees. It has also become known as an "Academic City" since it boasts a large number of universities and colleges relative to its size.

Sendai is proud of its history, arts and culture and enjoys many events such as the annual Sendai Tanabata Festival. It also cherishes its beautiful nature in and around the city such as the picturesque coastline of Matsushima, the mystical volcanic crater of Zao, and the many charming hot spring resorts.



#### Access

#### 1. Flight

Sendai International Airport (SDJ) has regular international flights to many East Asian cities and 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



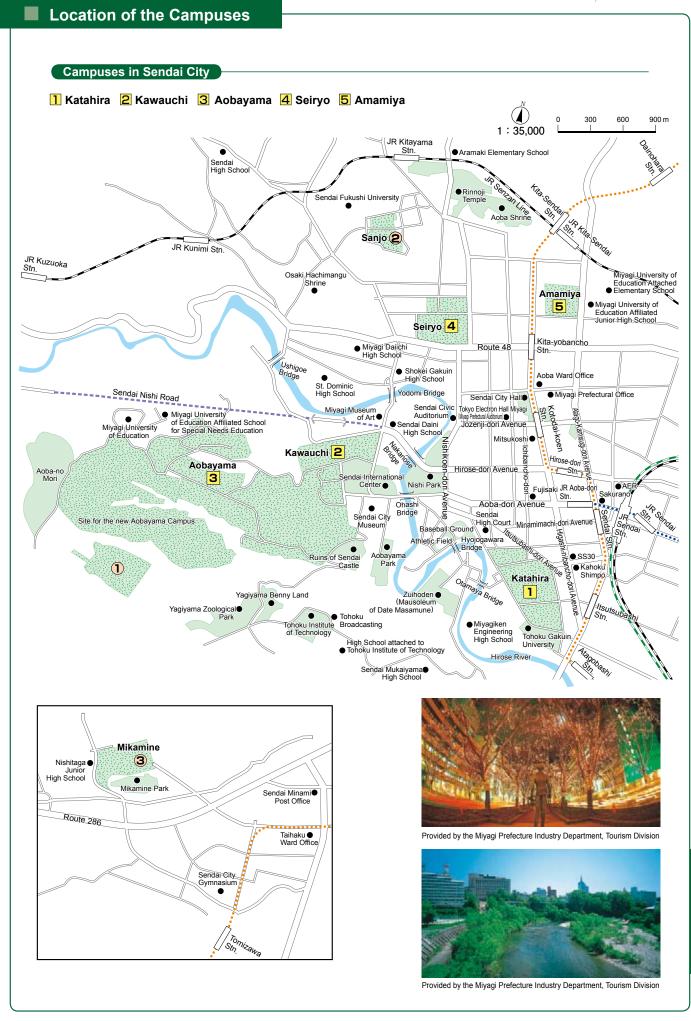
Provided by the Miyagi Prefecture Industry Department,
Tourism Division



Provided by the Miyagi Prefecture Industry Department, Tourism Division



Provided by the Miyagi Prefecture Industry Department, Tourism Division



## **Location of the Campuses**

## Academic Fasilities and Others

	Facility	Address	Phone
1	Jun-ichi Nishizawa Research Center Micro System Integration Center(µSIC)	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	Research Center for Electron Photon Science	1-2-1 Mikamine, Taihaku-ku, Sendai 982-0826	+81-22-743-3440
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	Graduate School of Life Sciences, Farm Station	134-2 Uchinoura, Hironaga, Kashimadai-cho, Osaki, Miyagi 989-4104	+81-229-56-2020
9	Planetary Observatory of PPARC (Zao)	200-1 Nanokahara, Togatta-onsen, Zao-machi, Katta-gun, Miyagi 989-0916	+81-224-34-2743
10	Research Center for Marine Biology (Asamushi)	9 Sakamoto, Asamushi, Aomori 039-3501	+81-17-752-3388
11)	Botanical Gardens, Mt. Hakkoda	1-1 Minami-arakawayama, Arakawa, Aomori 030-0111	+81-17-738-0621
12	Akita Branch Observatory of RCPEQVE	1-14-46 Shougunno-minami, Akita 011-0936	+81-18-845-8716
13	Honjo Branch Observatory of RCPEQVE	Ohyana, Yurihonjo, Akita 015-0091	+81-184-29-2124
14)	Sanriku Branch Observatory of RCPEQVE	114 Kodomari, Okirai, Sanriku-cho, Ohfunato, Iwate 022-0101	+81-192-44-2107
15)	Tono Branch Observatory of RCPEQVE	4-120-74 Komagi, Matsuzaki-cho, Tono, Iwate 028-0545	+81-198-62-2800
16	International Research Center for Nuclear Materials Science	2145-2 Narita-cho, Oarai, Ibaraki 311-1313	+81-29-267-3181
17	Osaka Center for Industrial Materials Research	8th floor, Organization for Industry, University and Government Cooperation, Osaka Prefecture University, 1-2 Gakuen-cho, Naka-ku, Sakai, Osaka 599-8531	+81-72-254-6372
18)	Planetary Observatory of PPARC (litate)	Maeta, litate-mura, Soma-gun, Fukushima 960-1636	+81-244-42-0530
19	KamLAND, Research Center for Neutrino Science	408 Kamimachi, Higashi-mozumi, Kamioka-cho, Hida, Gifu 506-1205	+81-578-85-0030
20	Tohoku University Liaison Office (Tokyo)	10th floor, SapiaTower , 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, USA	
22	Tohoku University China Office	(JSPS Beijing Office) 616 Library of Chinese Academy of Sciences(CAS),33 Beisihuan Xilu, Zhongguancun, Beijing 100190 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	+62-22-2510-440

NOISE.

RCPEQVE: Research Center for Prediction of Earthquakes and Volcanic Eruptions PPARC: Planetary Plasma and Atmospheric Research Center

## Student Residence and University House

Facility	Structure	Address	Phone
Nisshu Ryo (for male)	Capacity: 103 persons	16-3 Midori-cho, Yagiyama, Taihaku-ku, Sendai 982-0832	+81-22-229-1858
Ibun Ryo (for male)	Capacity: 96 persons	//	+81-22-229-5392
Seifu Ryo (for male)	Capacity: 81 persons	//	+81-22-229-4954
Joshun Ryo (for female)	Capacity: 64 persons	19-1 Sanjo-machi, Aoba-ku, Sendai 981-0935	+81-22-272-9857
Meizen Ryo (for male)	Capacity: 160 persons	6-3-2 Kamisugi, Aoba-ku, Sendai 980-0011	+81-22-234-0134
Matsukaze Ryo (for male)	Capacity: 150 persons	//	+81-22-275-1221
University House Sanjo (for male, female and international students)	Capacity: 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 Arashiki, Zao-onsen, Yamagata 990-2301	+81-236-94-9094	
Seikei Lodge	305 Ro Rinshohan, Kokuyurin, Kuraishidake, Zao-machi, Katta-gun, Miyagi 980-0800		
Katahira Chuo Gymnasium	2-1-1 Katahira, Aoba-ku, Sendai 980-8577		
Katahira (1·2·4·5·6) Hall	ıı ı		
Katahira Budojo	"		
Katahira Tennis Court	ll ll		
Tomizawa Baseball Ground	1-5 Mikamine, Taihaku-ku, Sendai 982-0826		
Tomizawa Driver Training Circuit	1-6 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	ıı ı		
Facility for Extracurricular Activity (A)	"		
Circle Club Rooms E·F·G	"		
Kawauchi Sub Arena Building	"		

Tohoku University's International House in Sanjo-machi 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

Two story building 1
Three story building 7
Four story building 1
Five story building 1

Area: 28,466mื่ Floor: 10,661mื่

Opening: November 26, 1983

#### 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	18m <sup>2</sup>	147
	Couple Room	46m <sup>8</sup>	42
	Family Room	48m <sup>e</sup>	31
Sub Total			220
Researchers	Single Room	18m <sup>2</sup>	12
	Couple Room	49m <sup>8</sup>	14
	Family Room	60m <sup>8</sup>	8
Sub Total			34
Grand Total			254



International House

#### University House Sanjo

#### **General Information**

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

Phone: +81-22-274-7305

Construction: Ferro-Concrete Construction

Ten story building 1
Six story building 1
Five story building 1

Opening: April 1, 2007

Division	Room Type	Floor Area	Number of Rooms
North Building	Single Room	10m <sup>2</sup>	80
	Single Room	13m <sup>2</sup>	160
West Building	Single Room	10m <sup>2</sup>	96
East Building	Single Room	10m <sup>2</sup>	80
Grand Total			416*

<sup>\*130</sup> rooms for international students, 286 rooms for Japanese students



International Festival



Tohoku University Summer Program (TUSP)

## 1 KATAHIRA CAMPUS

●Land: 237.563m 

■Buildings: 166.933m (as of July 1, 2010)

to Higashi-ichibancho

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/ Office of Cooperative Research and Development @ Audit Office / Office for Conflict of Interest Management @ Public Relations Division, Public Relations Department @ Facilities Department / Office for Environmental Security @ Informatization Division, Information Department @International Exchange Division 30 Extended Education & Research Building 70

Graduate School of Life Sciences, Administration Office 35 Graduate School of Life Sciences Building ③, ⑥ Life Sciences Project Research Laboratory ③ Environment Control Experiment Building Graduate School of Biomedical Engineering, Laboratory 57

School of Public Policy, Law School, Administration Office @ Katahira No. 2 Building (Legal Business Training Building) 34 Katahira No. 3 Building 33 Katahira No. 4 Building 39

Katahira No. 5 Building 3

Research Center for Gender Equality and Malticultural Convivality (26)

Katahira No. 4 Lecture Room @

Institute for Materials Research, Administration Office 9 Advanced Research Center of Metallic Glasses @ High Field Laboratory for Superconducting Materials (4) Honda Memorial Hall (9)

Building No. 1, 2, 3, 4, ①, ①, ①, ②, ⑦

Building No. 10 (The Open University of Japan) ①
Cooperative Research Project Laboratory ④

Super Computing Center ⑤

Laboratory of □-Ray Emitters ⑥ Technical Plant ⑦, ⑧

Multi-Use Laboratory (5)

International Center of Educational Resesarch (6)

Institute of Fluid Science, Administration Office 
Transdisciplinary Fluid Integration Research Center

Building No. 1, 2, 3 40, 42, 43

High Speed Flow Experiment Building (4)
Interdisciplinary Shock Wave Research Laboratory (5)
Environmental Fluid Facility Building (6)

GCOE Building 41

Joint Laboratory Building 46

Research Institute of Electrical Communication, Administration Office (60) Laboratory for Brainware Systems @, 63, 65

Laboratory for Nanoelectronics and Spintronics \$\overline{1}\$ Research Center for 21st Century Information Technology \$(8), \$(9)\$

Building No. 1, 2 59, 60, 61

Fundamental Technology Center Evaluation Analysis Team 😣

Institute of Multidisciplinary Research for Advanced Materials,

Administration Office 

Advanced Materials Processing Building 

, 5, 5, 2

Chemical Reaction Science Building (9), (2) Scientific Measurements Building (22), (23)

Scientific Measurements Building, Technical Plant 24

Advanced Materials Processing Building, Technical Plant (63)

Laboratories for Advanced Materials Research Building 55, 56

Archaeological Research Office on the Campus 38

Global Operations Centre 30 Campus Planning Office 33

WPI Advanced Institute for Materials Research(WPI-AIMR), Administration Office 15

WPI Laboratory Building ⑰

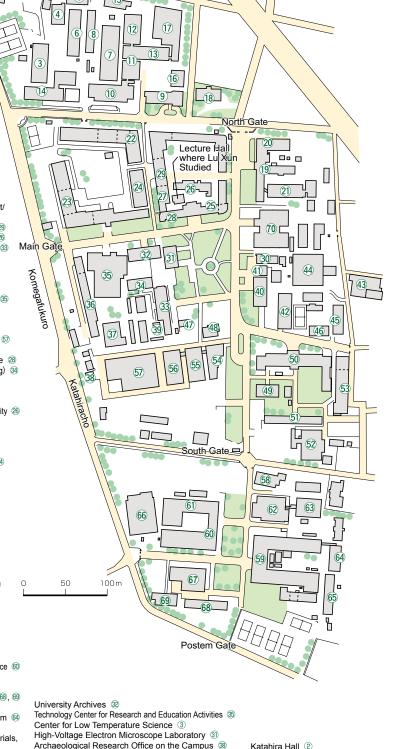
WPI Annex 20

Welfare Facilities (cafeteria) 18

Sakura Hall 54 Cultural Property Storage @

Welfare Facilities(Bookstore) 48 Welfare Facilities(Student Hall) 58

Gymnasium 66



## 2 KAWAUCHI CAMPUS

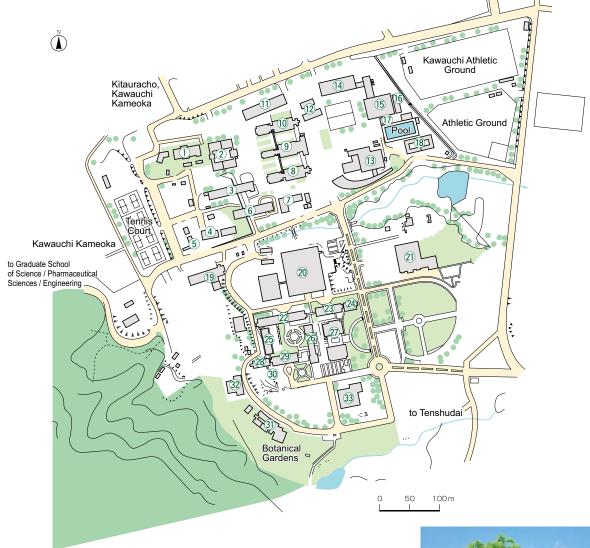
**Humanities and Social Sciences** 

First Two-Year Undergraduate Education

●Land: 817.764m 

Buildings: 122.526m (as of July 1, 2010)

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 (19) Student Exchange Division, Education and student Support Department ① University Library (Main Library) ②

Graduate School of Arts and Letters, Administration Office @ Arts and Letters/Law Joint Building @ Graduate School of Education, Administration Office &

New Humanities Building 25 Graduate School of Law, Administration Office 23 Graduate School of Economics and Management,

Administration Office 29 Accounting School 29

Seminar Rooms 29,30

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

Center for Northeast Asian Studies ③ Center for Northeast Asian Studies Branch Office (19) Center for the Advancement of Higher Education ③ Health Administration Center / University Counseling Center / Counseling Room for Harassment ④ Admission Center ⑨

Center for Career Support ⑦ Botanical Gardens (Garden Hall) 31 Memorial Herbarium 32

Center for International Exchange ① Institute of Liberal Arts and Sciences ⑦
Center for Information Technology in Education ⑪

Laboratories for Students ② Kawakita Joint Building ③ Lecture Rooms A, B, and C ⑧, ⑨, ⑩ Multimedia Education and Research Complex 11

Circle Club Rooms (5), (2) Welfare Facilities (cafeteria) (13) Gymnasium (15)

Kawauchi Hall 16 Facility for Extracurricular Activity (A) ① Kawauchi Circle Club Building (8 Kawauchi Sub Arena (4)

Tohoku University Centennial Hall (Kawauchi Hagi Hall) ② Lecture Rooms 26 Lecture Hall @

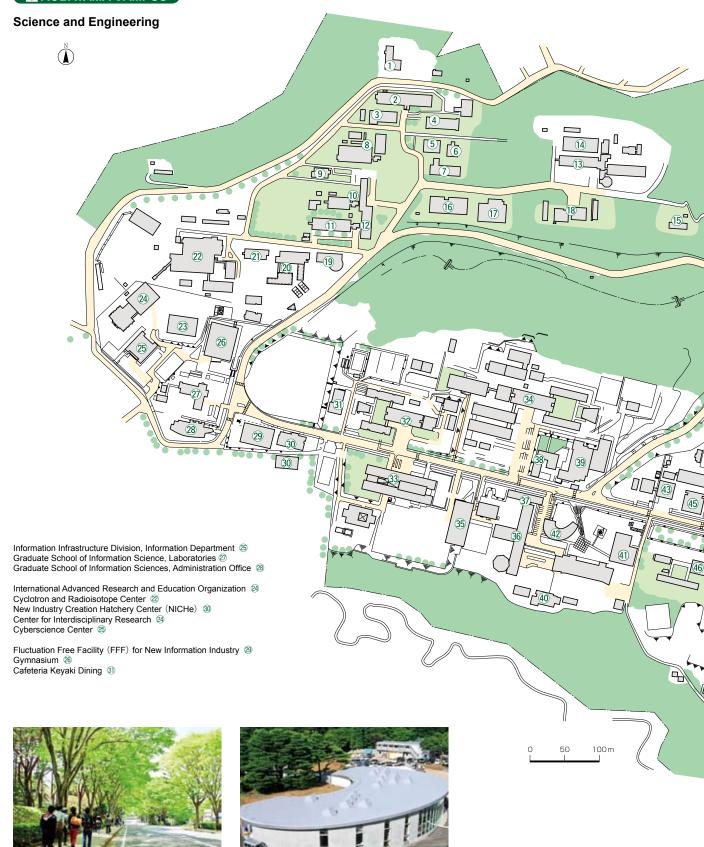
Humanities Building 28 Welfare Facilities (cafeteria) 33



Springtime in Kawauchi Campus







Zelkova transplanted from Aoba Street to Aobayama



Cafeteria / Bookstore "BOOOK"

●Land: 784,239m 

Buildings: 296,676m (as of April 1, 2010)

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 🕦 Graduate School / Faculty of Science, Administration Office 12 Research and Analytical Center for Giant Molecules 9 Center for Atmospheric and Oceanic Studies ②
Planetary Plasma and Atmospheric Research Center ② Research Center for Prediction of Earthquakes and Volcanic Eruptions ⑤ Research Center for Neutrino Science ® Mathematics ⑦
Physics ②, ③, ④ Chemistry ® Earth Sciences ① Biology (10)
Physics and Natural Science (20) Lecture Hall 5 Kawai Hall 6 Museum of Natural History (19) Graduate School of Pharmaceutical Sciences / Faculty of Pharmacy and Pharmaceutical Sciences, Administration Office Experimental Station for Medicinal Plant Studies, Administration Building (§) Pharmaceutical Research Laboratories Building (4) Graduate School of Life Sciences, Laboratories ®, ®, ®, 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) 39 Disaster Control Research Center (35)
Fracture and Reliability Research Institute (35) Research Center of Supercritical Fluid Technology 35 Management Science and Technology, Office Micro / Nano-Machining Research and Education Center @ Mechanical Systems and Design / Nanomechanics / Aerospace Engineering / Bioengineering and Robotics, Administration Office 49 Aobayama Botanical Gardens Gate Electrical and Communication Engineering / Electronic Engineering / Applied Physics, Administration Office 34 Applied Chemistry / Chemical Engineering / Biomolecular Engineering, Administration Office 

Metallurgy / Materials Science / Materials Processing, Administration Office Civil and Environmental Engineering / Architecture and Building Science, Administration Office 33 Engineering Laboratory Complex Building \( \setminus \) Innovation Plaza \( \setminus \) Research Building No. 3 - Electrical Engineering and Applied Physics ② Laboratories of Architecture and Building Science 23 Graduate School of Environmental Studies, Administration Office 43 Ecollab. 45 Graduate School of Biomedical Engineering, Administration Office 38 Laboratories 34, 35, 36, 47, 52, 5 Environment Conservation Research Institute 50 Hatchery Square 37 Cafeteria (41) Aoba Memorial Hall 40 Cafeteria Komorebi Café / Convenience Store 48 Automobile Museum 49 Cafeteria / Bookstore "BOOOK" 42

## 4 SEIRYO CAMPUS

**School of Medicine** 

**School of Dentistry** 

●Land: 179,214㎡ ●Buildings: 274,477㎡ (as of April 1, 2010)

University Hospital: 1-1, Seiryo-machi, Aoba-ku, SENDAI 980-8574 School / Graduate School of Medicine: 2-1, Seiryo-machi, Aoba-ku, SENDAI 980-8575 School / Graduate School of Dentistry: 4-1, Seiryo-machi, Aoba-ku, SENDAI 980-8575 Institute of Development, Aging and Cancer: 4-1, Seiryo-machi, Aoba-ku, SENDAI 980-8575 Phone: +81-22-717-7000



#### Medical Library 37

University Hospital, Administration Office (Administration Building) ③ Clinics for Outpatients ③

Operation & Medical Check Building @

Research Laboratory Complex (provisional name) ② West Ward @

East Ward 29

South Ward 30

Graduate School / School of Medicine (9)

Building No. 0 16 Building No. 1 19 Building No. 2 33

Building No. 3 39 Building No. 4 17 Building No. 5 20

Course of Health Sciences 12, 13 Frontier Research Building (4)
Biomedical Research Building (2)

Prion Research Building (3) Institute of Animal Experimentation 24 Lecture Rooms (8

Lecture Rooms 35

Graduate School / School of Dentistry, Administration Office ®

Basic Dental Science Building ®

Education and Training Building (9)
Clinical Dental Science Building (10)
Graduate School of Life Science, Laboratory (3)

Graduate School of Biomedical Engineering Laboratory ③, ④, ①, 19, ②, ②, ③, ③

Institute of Development, Aging and Cancer, Administration Office ④

Research Building ③
Seiryo Total Research Project Building ④
Brain Imaging Research Building ⑥ Brain Dynamics Research Building ⑦

Tumor Animal Experiment Building ⑤ Advanced Frontiers Research Building ⑪

Center for Gene Research  $\cite{4}$  Innovation of New Biomedical Engineering Center  $\cite{27}$ ,  $\cite{28}$ ,  $\cite{39}$ 

RI Seiryo Subcenter 🚳 Student Recreational Building 🕦

Gymnasium 2

Welfare Facilities (Seiryo Hall) 15 Gonryo Hall 38

Center for Laboratory Animal Research (26) Clinical Pharmaceutical Science Research and Education Building 22



School of Medicine Buildings

## 5 AMAMIYA CAMPUS

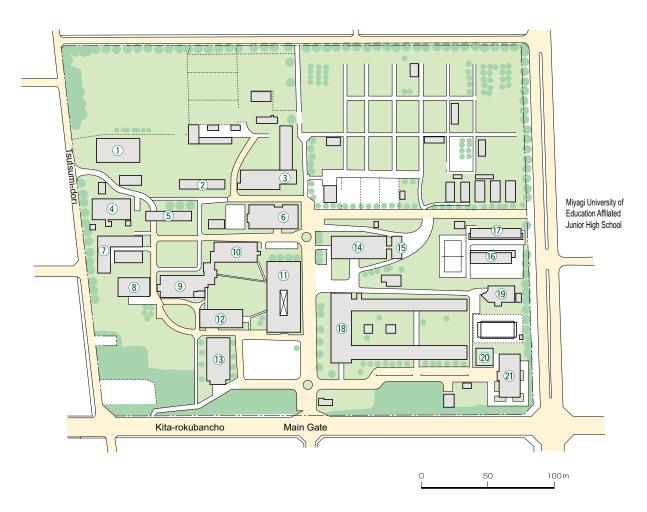
●Land: 92,746m 

Buildings: 29,928m (as of April 1, 2010)

1-1, Amamiya-machi, Tsutsumidori, Aoba-ku, SENDAI 981-8555 Phone: +81-22-717-8603

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





#### Agricultural Library ⑥

Student Lounge 15

Graduate School of Agricultural Science,
Administration Office (Administration Building) ①
Research House named "Honkan" ⑧
Research House named "Daiiri-kenkyutou" ⑩
Research House named "Buildinghi-kenkyutou" ⑩
Research House named "Kenkyu Jikkentou 1" ⑩
Research House named "Kenkyu Jikkentou 2" ⑪
Research House named "Kenkyu Jikkentou 3" ⑥
Research House named "Kenkyu Jikkentou 4" ②
Research House named "Kenkyu Jikkentou 5" 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 ②
Lecture House ⑪
Lecture Hall ⑪
Radioisotope Laboratory ⑩
Power Center ③
Old Gymnasium ③
Welfare Facilities ⑩



Amamiya Campus scenery

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