

MISSION STATEMENT

Since its foundation, Tohoku University has been committed to a "Research First" and "Open-Door" policy, and conducted researches and education at the world's highest level. The university contributes to realizing a peaceful and fair society by using research results to solve social problems and by developing leadership qualities in students.

HISTORY

Tohoku University was founded in 1907 as the third Imperial University of Japan, following Tokyo Imperial University and Kyoto Imperial University. From the start, Tohoku University has displayed to the world an unwavering commitment to an "Open-Door" admission policy. In contrast to the other Imperial Universities, it accepted graduates from technical schools and higher normal schools. The University became Japan's first National University to admit three female students in 1913 despite opposition from the government at that time.

Tohoku University was able to attract a group of talented young researchers who had trained in international academic circles to serve on its faculties. Partly because of this fact, a "Research First" principle came to develop, which calls upon the scholars to pursue highly productive researches, and to use their findings in classes.

In addition, Tohoku University has nurtured a traditional policy of "Practical Sciences First." We have used the most advanced research results to make a society and our daily lives productive. The university has established venture businesses to develop local industries before the World War II, and played a central role in researches on Family Law that is closely associated with daily lives.

Since World War II and the rapid economic growth of the postwar period, the above spirit has been continued to be alive in the modern era of advanced globalization.



Table of Contents

Mission Statement	1
History	3
Aiming to Be a World's Leading University	3
Tohoku University News and Events (April 2008-July 2009)	4
Inoue Plan 2007, Revised 2009	4
Academic Results	
Possibilities for Arachidonic Acid and Future Brain Sciences	5
- Prof. Noriko Osumi	5
Extremely Exact "Freshness Checker" - Prof. Minoru Sato	6
Shedding Light on Historical Japanese through the Genes of Dialects	7
- Prof. Takashi Kobayashi	7
A Multidisciplinary Optical Microscope of Ultra-High Definition Imaging - Prof. Masaki Yamamoto	8
From a Laboratory to Site of Disaster	8
Save Lives with a Rescue Robots - Prof. Satoshi Tadokoro	9
Economic Growth Compatible with Environment	9
- Prof. Yasuhisa Hayashiyama	10
<i>In Situ</i> Observation of Crystal Growth under Zero-Gravity Conditions	10
From the Origin of the Solar System to Environment and Energy	10
- Prof. Katsuo Tsukamoto	11
Applied Accelerator Science for Preserving the Environment and the Human Health - Prof. Keizo Ishii	12
Prize Winners 2008 (August 2008-July 2009)	13
Environment/Organization/Operation	
World's Leading Environment, Organization and Operation	15
Education Results	
Various Education and Student Support Programs	17
Student Activities	
Happy and Lively Campus Life	19
Industry-Academia Collaboration	
Effective Use of Intellectual Resources for the Further Development	21
International Exchange Programs	
Global Network Construction	23
Contribution to Society and Gender Equality	
An Open University Expands the Unlimited Possibilities	25
Tohoku University Shuyukai and Kawauchi Hagi Hall	
Tohoku University Community Project	27
Campus Environment	
Renovation of Kawauchi Campus	29
Divisional Major Achievement (2008)	
Divisional Major Achievement (2008)	31
Data and Overview of Tohoku University	
Data and Overview/Location of Tohoku University	33
Contacts	34

This Annual Review 2009 covers activities conducted from April 2008 to July 2009.

*Personal information of those who are in this Annual Review including affiliation, position, and age is uncurrent.