



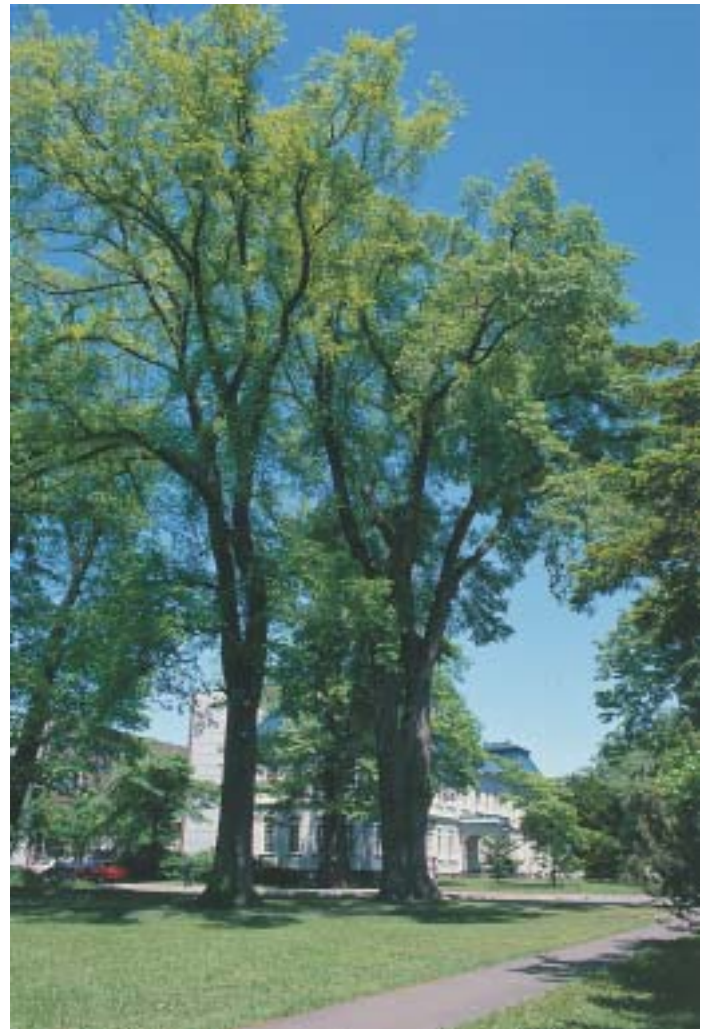
Hokkaido University Newsletter

No. 4

Summer 2005

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New Vice-President in Charge of International Affairs

As the successor to Kenichi Nakamura, former Vice-President, I took charge of the Executive Office of International Affairs on May 1, 2005. I am specialized in production systems and data engineering. Currently, technological development aiming at guaranteeing the uniqueness of accurate semantic expression and interpretation of technical information data in these fields has led to the realization of an international distribution of technological information thanks to international standardization. This technology is integrating factories across the world through networks. That is, globalization of technological information in the production system has become a reality.

I would like to emphasize internationalization, instead of globalization, in formulating international strategies. In other words, internationalization of universities should be premised on the presence of human beings with different historical and cultural backgrounds, and aimed at mutual understanding about having multiple languages and common senses, which is obtained through mutual exchanges of knowledge and personnel, and development of human resources with modern, forward-looking worldviews. It is my belief that students and researchers have nurtured worldviews that can contribute to the development of human beings while repeatedly discovering new findings and understanding in speculations through cross-cultural experiences.

In addition, in conjunction with the expansion of socioeconomic activities on a global scale up to now, pursuit of sustainable coexistence between human beings and the global environment has become one of the most important issues. Hokkaido University (HU) has upheld "sustainable development" as an area to put emphasis in international activities. In this regard, I believe that international exchanges and international partnerships are truly significant for creating academic value under this principle.

From these perspectives, I intend to underline the invitation of overseas researchers to HU, overseas research by HU faculty members, and international joint research, in addition to the rigorous acceptance of students from abroad and the expansion of programs sending HU students overseas.

Takeshi Kishinami
Hokkaido University Executive and Vice-President
(in charge of International Affairs)



▲ Takeshi Kishinami, Hokkaido University
Executive and Vice-President
(in charge of International Affairs)



Hokkaido University International Strategy Promotion Project on "Sustainable Development"

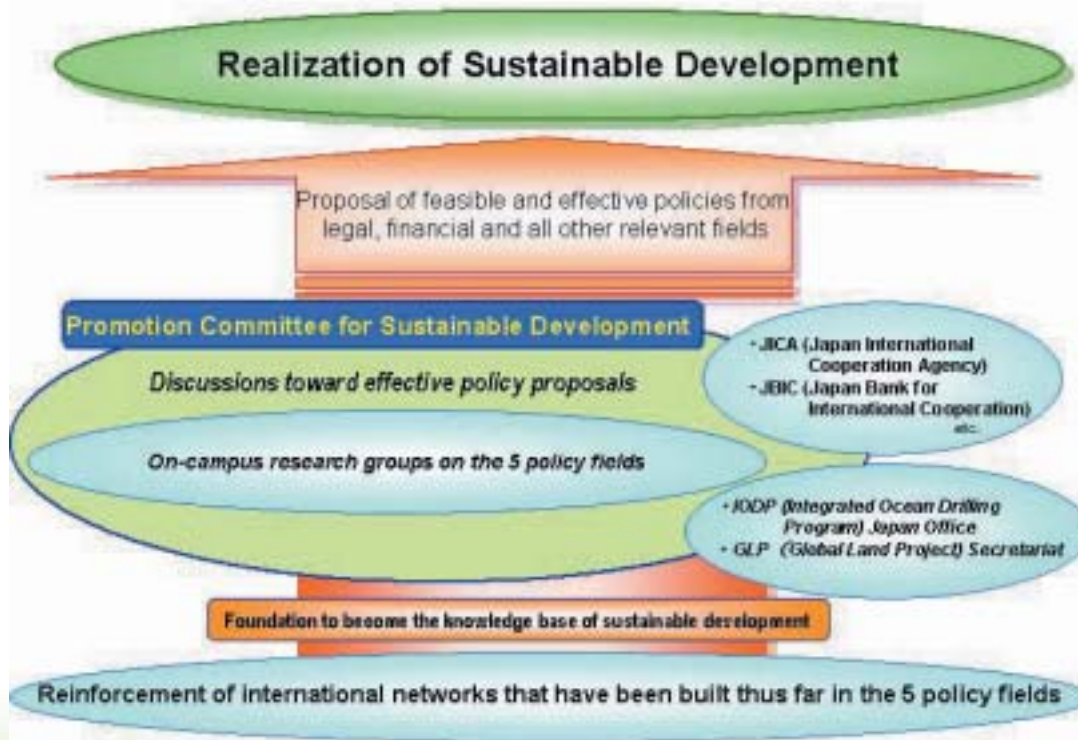
With the adoption in the FY2005 University International Strategy HQ's Reinforcement Project by the Ministry of Education, Culture, Sports, Science & Technology, it was decided that Hokkaido University International Strategy Promotion Project on "Sustainable Development" should be inaugurated.

Based on Hokkaido University (HU)'s founding principles of "Frontier Spirit," "Practical Learning" and "Global Perspectives," HU upholds "sustainable development" as a major area to conduct research and education globally and aims to activate it.

Through the project, HU will serve as the center of excellence in five important policy fields related to development and environment: 1) *Global warming*; 2) *integrated water management*; 3) *establishment of a recycle-oriented international community*; 4) *measures against infectious diseases*; 5) *stabilized securement of food and forest*. HU will also enhance its roles of contributing to the intellectual community by establishing an international network as well as making policy proposals. Through these efforts, HU will contribute to the realization of sustainable development.

Also, this project is aimed to reinforce the followings: 1) negotiation and liaison functions with related institutions overseas; 2) such logistics as smooth acceptance of foreigners and safety control of the fields; 3) functions of presenting policy proposals from HU; and 4) professionalism of the administrative staff engaged in international activities.

It is expected that the promotion project will lead to increase the number of excellent foreign researchers and students who will become engaged in research and study at HU, as well as to reinforce association with international institutions, including those specialized in development, international cooperation and assistance.





Graduate Schools Reorganized into Graduate Schools and Research Faculties

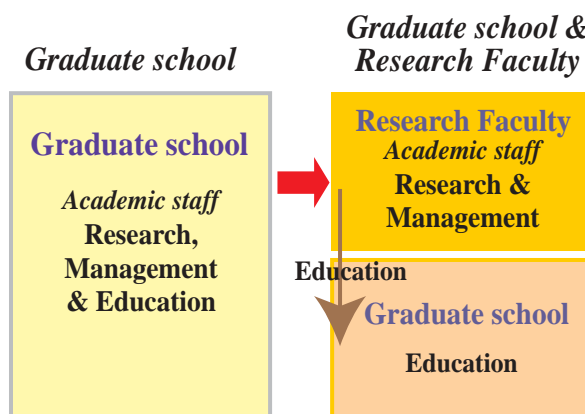
What are the Graduate School and the Research Faculty?

Aiming to establish a new system, which will meet the needs of society in the 21st century, Hokkaido University (HU) is undergoing unprecedented cross-sectional reorganization of traditional graduate schools.

Each graduate school at the moment will be changed into a new "Graduate School," which is organized in accordance with educational needs, and a "Research Faculty," which is organized to satisfy research needs.

It is expected that these two organizations will reach social and academic needs more flexibly than conventional graduate schools and a professor who belongs to a certain Research Faculty will teach flexibly in a different Graduate School. On the other hand, each Graduate School will reorganize its curriculum timely, according to the needs of our modern society.

Graduate schools that were reorganized as of April 1, 2005 are as follows:



The Graduate School of Fisheries Sciences and the Research Faculty of Fisheries Sciences

The Graduate School consists of two majors: the Division of Marine Bioresource and Environmental Science and the Division of Marine Life Science.

The Research Faculty consists of two divisions: the Division of Marine Bioresource and Environmental Science and the Division of Marine Life Science.



▲ The Graduate School of Fisheries Sciences and the Faculty of Fisheries

The Graduate School of Environmental Science and the Faculty of Environmental Earth Science

The Graduate School consists of four majors: the Division of Environmental Science Development, Division of Earth System Science, Division of Biosphere Science and Division of Environmental Materials Science.

The Faculty consists of four sections: the Section of Integrated Environmental Science, Section of Earth System Science, Section of Environmental Bioscience and Section of Environmental Materials Science.

◀ Dean Ikeda (center) and others hanging the signboard of the Graduate School of Environmental Science





Hokkaido University Accounting School Inaugurated

On April 1, 2005, the Hokkaido University Accounting School was opened, with the aim of nurturing high-quality accounting professionals, who will play active role in society in the future. The school will foster true professionals equipped with specialized expertise and broad perspectives appropriate for leading the socioeconomy further into the 21st century, as well as possessing a strong sense of social responsibility and ethics.



▲ The inauguration lecture commemorating the opening

Admission Center Established



The Admission Center was established on April 1, 2005.

Attempts were made to improve the organizations responsible for planning and investigations related to entrance examinations and to promote public relations activities by unifying entrance examination organizations. At the same time, four divisions - planning, publicity & counseling, implementation, and investigation & analysis - have been established at the Center.

◀ (From the left) Director-General Endo, President Mutsuo Nakamura and Vice-President Hiroshi Saeki (Director, Admission Center) placing the signboard

Opening of *Kodomonosono* Nursery

On April 1, 2005, we opened *Kodomonosono* Nursery as a day-care center approved by the Sapporo Municipal Government, in order to create an environment in which employees of Hokkaido University, along with graduate and postdoctoral students, foreign researchers and others, as well as local residents, are able to work or study comfortably when the need arises.



▲ Nursery children performing a *bon* dance



▲ Toddlers taking a walk



Creative Research Initiative "Sousei" Reorganized

Aiming to promote the return of research achievements at Hokkaido University (HU) to society and strengthen cooperation with the local community, the Creative Research Initiative "Sousei," a new trans-departmental research base striving toward knowledge creation, was integrated with the Center for Advanced Science and Technology, the promotional base of government-industry-academia collaboration, with a birth of the new Creative Research Initiative "Sousei" on April 1, 2005.

Based on HU's research strategy, it is composed of six research sections aiming to promote both basic research and project research through competitive funds.



◀ Creative Research Initiative "Sousei" Research Building

The Initiative will continue to promote world-class research and enhance knowledge creation/utilization at prefectural, national and worldwide levels, with the comprehensive partnership with private businesses and the HU Research & Business Park Concept as the core.



▲ An experiment



▲ Next-Generation Post-Genome Research Building

Promotion Office, Hokkaido University Research & Business Park Project Founded

On May 17, 2005, Promotion Office, Hokkaido University (HU) Research & Business Park Project was established to promote the HU Research & Business Park Project, which aims to build an integrated system ranging from knowledge creation to knowledge utilization.

HU, the Hokkaido Government and the Hokkaido Economic Federation take charge of discharging duties, and the Sapporo Municipal Government and other institutions participate as necessary.



▲ Promotion Office



Conclusion of the Inter-University Exchange Agreement with National Taiwan University

On March 3, 2005, the agreement on academic exchanges and the memorandum on student exchanges with National Taiwan University were concluded.

The signing ceremony was held at National Taiwan University, where President Wei-Jao Chen, National Taiwan University, and President Nakamura, Hokkaido University (HU), signed the Agreement.

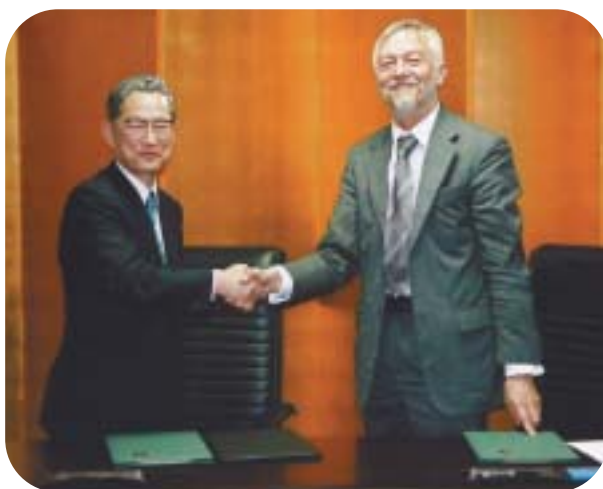
On the previous day in Taipei, people associated with HU, including former international students at HU who studied under the guidance of President Nakamura, welcomed the delegation headed by him by holding an alumni gathering. Former students nostalgically talked about their experiences at HU and the "good old days." During the gathering, participants agreed to launch the Hokkaido University Taiwan Alumni.

National Taiwan University is the highest educational institution for research and education in Taiwan, both in name and reality. Since the alumni have been active as leaders of various circles there, significant results are expected by the conclusion of the agreement.



▲ President Nakamura and President Wei-Jao Chen

Conclusion of the Inter-University Exchange Agreement with the University of Geneva in Swiss Confederation



▲ President Nakamura and President Hurst

The Inter-University Exchange Agreement, including student exchanges, was concluded between the University of Geneva and Hokkaido University (HU) on June 7, 2005.

From the University of Geneva, President Andre Hurst, Vice-President Pierre-Fran ois Souyri, Professor Andrea Charles Rougemont and Manager of the International Relations Office Edith Bohren Frere came to HU to attend the signing ceremony.

Upholding the contribution to education, research and local community as the objective, the University of Geneva has executed education and research that capitalize on the characteristics of an international city in cooperation with related international organizations in Geneva, and have

achieved noteworthy results. Through exchanges with the University of Geneva, cultivation of global perspectives, one of HU's founding principles, is highly anticipated.



Promotion of Student Exchanges with Universities in South Korea and Exchanges of Views on the Reinforcement of Government-Industry-Academia Collaboration

From March 23 through 27, 2005, Mamoru Kobayakawa, a professor at the Graduate School of International Media and Communication and executive assistant at the Executive Office of International Affairs; Koshu Kadota, Director of the Research and International Affairs Department; and three staff visited Yeungnam University, Chungnam National University and the Korea Advanced Institute of Science and Technology (KAIST) as well as Kyongbuk Technopark and Dea-Dock Valley, where they exchanged views on the promotion of student exchanges and reinforcement of collaboration among government, industry and academia.

With the aim of facilitating exchanges of students from South Korea, who account for 10% or more of all international students at Hokkaido University (HU), we held orientation for students interested in studying in Japan at both universities, which introduced HU and explained various aspects of overseas education.

Many students from both universities attended the orientation, listening attentively to explanations given by HU. After presentations by those who have studied at HU in the past, sharing stories about their experiences and discussing various related topics, the students expressed surprise at the differences in lifestyle between the two countries, as well as asked a number of questions.

At Yeungnam University, Japanese students were assembled and a luncheon was arranged, where cordial exchanges took place.

Toru Wada in the second year of the Graduate School of Letters, HU, who has been studying at Yeungnam University since October 2004, accompanied the delegation as an interpreter and supported their visit to South Korea. They were all impressed by the extent to which he improved his skills in the Korean language.



▲ Exchanging opinions with the President of Yeungnam University



▲ Mr. Toru Wada (right) and students of Yeungnam University



▲ Orientation at Chungnam National University



Speech by H.E. Mr. Manilal Tripathi, the Ambassador of India to Japan - "Indian-Japanese Relations in the Future"

On April 21, 2005, His Excellency Mr. Manilal Tripathi, the Ambassador of India to Japan, was invited as a speaker. A lecture entitled "Indian-Japanese Relations in the Future" was held.

The ambassador emphasized the importance of Indian-Japanese relations in the new era by stating that India and Japan should work to reinforce their cooperative relations as global partners to form industrial partnerships for IT technology, among other fields, and establish the Asian Economic Community.

Due partly to the cooperation of the Sapporo Area University International Exchange Forum, a total of more than 80 people, consisting of students and faculty members from Hokkaido University (HU) as well as other universities and citizens, participated in the lecture and attentively listened to his speech.

The ambassador attended a post-lecture round-table meeting with Indian students studying at HU.

The Indian students appeared slightly nervous on the highly esteemed occasion of speaking with the Ambassador, but seemed to thoroughly enjoy the exchanges.



▲ Lecture



▲ Indian students studying at HU, who enthusiastically asked questions



▲ The Ambassador and Indian students studying at HU



Visit by Members of the Parliament of Finland Committee for Education and Culture

A 16-member delegation headed by Mr. Tuomo Hänninen, a member of the Centre Party of Finland, paid a visit to Hokkaido University (HU) on April 11, 2005. They attended lectures on the Moomin by Makoto Suzuki, a professor, and Fumihito Ikeda, an associate professor, at the Center for Research and Development in Higher Education.

A discussion regarding HU's international exchanges, overseas study, intellectual property and government-industry-academia collaboration was held following the lectures. Mr. Kiyoshi Yokoyama, the Honorary Consul of Finland in Sapporo; President Nakamura; and other concerned individuals at HU also joined the discussion.



▲ The delegation listening to the speech delivered by President Nakamura

President Nakamura; and other concerned individuals at HU also joined the discussion.

Guests from Massachusetts - A Place with Deep Connection with Hokkaido University

Ms. Synthia Redman, a great-grandchild of Dr. William Penn Brooks, who took charge of lectures and practical training at Sapporo Agricultural College over 12 years starting in February 1877, visited Hokkaido University (HU), starting on June 5, 2005. She paid a visit to the Corn Barn, designed by Dr. Brooks and designated as an Important Cultural Property of the nation.

Andrew Effrat, Former Dean of the School of Education, the University of Massachusetts Amherst and Nola Stephen, a lecturer, visited HU on June 6. Researchers at HU were able to have very fruitful discussions with them.

On July 1, 2005, a 22-member education survey mission from Massachusetts came to HU at the invitation of the Hokkaido/Massachusetts Society.

Kazuomi Hirakawa, Graduate School of Environmental Science, addressed natural environment problems.

Student volunteers at HU took them on a campus tour, and the members also visited the Botanical Garden, the HU Museum, and other locations.



▲ (From the left) Dr. Andrew Effrat and Dr. Nola Stephen, University of Massachusetts Amherst and Ms. Redman



▲ Campus tour led by HU students



120th International Talk

International Talk is a monthly program that started in 1993 in order to give university-affiliated people and citizens a better understanding of different cultures. It is held at the International Student Center, and June 2005 saw its 120th Talk. In this admission-free program, international students give speeches about their home countries and Japanese students talk about their experiences studying abroad, followed by an informal chat including questions and answers.

Ms. Calkin Alexis Suero Montero from Graduate School of Information Science and Technology introduced her homeland with a title of "Dominican Republic: Facts of the Caribbean Paradise" on June 17.

Dominican Republic: Facts of the Caribbean Paradise

The Dominican Republic was the first land discovered by Christopher Columbus on the North American Continent. It occupies two third of La Hispaniola Island in the center of the Caribbean Sea.

From the historical point of view, the Dominican Republic possesses the oldest city built in the New World as well as the vastest mix of cultures becoming one from the combination of Native, European and African people.

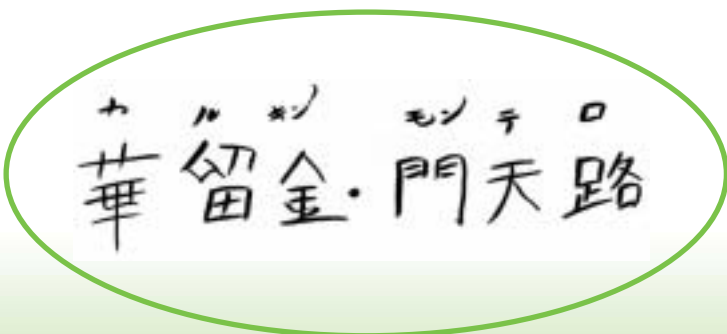
The Dominican Republic is nowadays well known among the amber collectors due to its finest characteristics of transparency and wide range of colours including the very rare blue amber only found in Dominican Republic soils. Along with the beauty of the Dominican Amber is the beauty of the Dominican people, whose charisma, warmth and intelligence has transcended to the Miss Universe contest.

The Dominican Republic shares with Japan its passion for Baseball, being emphasized the participation of Dominican Baseball players not only in the American Major Leagues but also in the professional Japanese leagues.

It is my belief that my presence at Hokudai as an International student might help to strengthen the educational bounds between Japan and the Dominican Republic, being this academically, as much as personally, an invaluable experience.



Calkin Alexis Suero Montero
華留金・門天路



▲ Calkin Alexis Suero Montero



Successful Study Abroad Fair - Increasing Awareness of Overseas Study

The Study Abroad Fair was held on May 19 for students. Numerous freshmen who enrolled in April, listened attentively to the various experiences the seniors had while studying abroad. During the post-orientation interviews of individuals, many new students were enthusiastic, asking questions with specific schedules of study abroad in mind. They showed serious attitude toward overseas study. Hokkaido University continues to enhance the awareness of students with regard to study abroad by distributing "Trans Japan," a collection of experiences prepared by graduates, and hosting study abroad fairs in various forms, e.g., by region.



▲ Students listening to explanations of each country

2005 Open University and Campus Experience

High school students
filling the venue



The Open University and the Campus Experience were held from August 1 to 4.

Both are held annually to have primarily high school students, their guardians and citizens learn about Hokkaido University (HU) through the introduction of each Faculty, visits to laboratories, facility observation and a number of other programs.

During the Campus Experience, high school students had firsthand experience of HU as of now by joining some experiments, practical training, lectures and seminars.

One high school student said, "My goal of advancing to a university, my future dreams and future possibilities have become clearer."



▲ Experiment using eggs at the Graduate School of Veterinary Medicine



▲ Low-temperature experiment at the Institute of Low Temperature Science



Hokkaido University International Students Association (HUISA)

After one year under interim committee, Hokkaido University International Students Association (HUISA) was formally established on April 1, 2005. HUISA aims to be the central group that will embody all international students at HU. In its role to assist, advise, and represent international students in matters of common welfare and concern, three main objectives can be created:

- ① To conduct social, cultural, and educational-activities on behalf of and for its members;
- ② To act as a coordination center for both student-student and student-society interaction;
- ③ To act as a platform for building a relationship among HU International Students Alumni throughout the world.



▲ Chinese students stall



▲ Thailand students booth

By involving the international students in the organization of various events, HUISA has managed to make the international students appreciate supports and kindness by various other organizations.

As a central point for distributing information, their homepage has been created.

<http://circle.cc.hokudai.ac.jp/huisa/index.php>

The biggest event so far was International Festival during the Hokudai Sai period. International students studying in HU had 19 stalls, where they introduced their respective food cultures to the visitors. The visitors were given unique opportunities to taste the food from all around the world in this small space. The international students also took this opportunity to interact among themselves as well as with the Japanese visitors. This year's International Festival was completely organized for the first time by international students themselves and was a huge success.



▲ Students from Vietnam



The Poplar Avenue Restoration Ceremony

The Ceremony of Unveiling the Poplar Avenue Restoration Commemorative Plate and planting of young poplar trees were held on June 1, 2005.

Forty young trees were added to the already existing 32 ones. It will take 20 to 30 years before Poplar Avenue regains its grandeur it previously possessed.

The Restoration Commemorative Plate has a message from President Nakamura, a drawing of Poplar Avenue and the state of the destruction inscribed.



▲ President Nakamura unveiling the Poplar Avenue Restoration Commemorative Plate

Improvement of the avenue has also been completed, and it has become possible to go for strolls there.

At the Visitor Center, "Reviving Poplars," craft exhibition using poplar trees that fell due to the 2004 typhoon, was held.



▲ Works displayed at the craft exhibition

Launch of Sales of "Sapporo Agricultural College" Cookies - Aiming at Supporting Hokkaido University

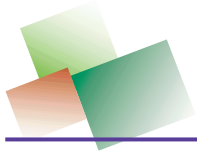
Publications activities and its attempts to disseminate and make use of education and research achievements, Hokkaido University (HU) has planned to sell HU-related products under its own name and trademark.

As a start, sales of "Sapporo Agricultural College," milk cookies made of Hokkaido products were launched in April 2005. They are manufactured by Kinotoya Co., Ltd., a confectionery company (President: Akio Naganuma, graduate of the Faculty of Fisheries, 1972).

The design of its packaging was also customized with the phrase "Boys, be ambitious" in the handwriting of Inazo Nitobe, prominent graduate of HU. A portion of the sales will be donated to improve the greenery of the campus.

At the Entrance Ceremony on April 8, initial sales were launched, and 1,000 boxes sold out immediately. They are available at Kinotoya stores and souvenir shops throughout the city, as well as at the Visitor Center in HU.





2004 Academic Title Conferment Ceremony

On March 25, 2005, the title conferment ceremony for bachelor's and master's degrees was held. Academic titles were conferred to 2,019 students from 11 faculties and 1,340 students who completed master's programs in 11 graduate schools on the Sapporo Campus.

On March 26, 197 undergraduate students and 109 students who completed master's programs and 26 students who completed doctoral programs in the graduate school received academic titles on the Hakodate campus.



▲ Graduates in *hakama* (long pleated skirt worn over the *kimono*)

2005 Entrance Ceremony



▲ Welcoming chorus by the cheering group

On April 8, 2005, the Entrance Ceremony was held with the attendance of 2,643 students. After the ceremony, Akira Suzuki, HU graduate and honorary professor who explored a new research field that has been widely recognized worldwide as the "Suzuki coupling reaction," delivered a speech entitled "The Path I Took."

President Nakamura delivered a message to the freshmen, stating that he hoped they would become active in the international community.

2005 Entrance Ceremony of the Japanese Study Course

The Entrance Ceremony of the Japanese Study Course was held on April 11, 2005. Twenty students from 15 countries enrolled. During the ceremony, every freshman introduced him- or herself and stated his or her aspirations in Japan after the announcement by Kenichi Nakamura, former Director of the International Student Center.

After the Entrance Ceremony, orientation was conducted by the leadership of the International Student Center, when office routines and other details on the campus were explained, so that they could quickly become acclimatized to the new environment.



▲ Freshmen and the faculty of the International Student Center



COE Programs Series 2

Meme-Media Technology Approach to the R&D of Next-Generation Information Technologies

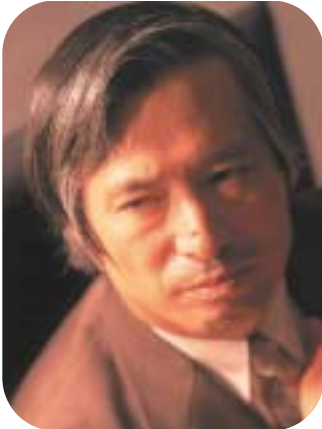
This program aims to integrate meme media, quantum nanoelectronics and intelligent communication technologies to establish the basis for the next generation information technologies. By integrating the first two, the program aims to establish new system architectures for quantum nanoelectronic devices and to develop their design and simulation system environments based on meme media technologies. In software technologies, the program will extend the meme media technologies to cope with not only the Web, but also ad hoc networks and federation networks among ubiquitous knowledge resources, and apply their extensions to large scale complex systems. In hardware technologies, the program will develop quantum integrated circuits based on the new system architectures, and apply these technol-

The 21st Century COE Program was launched as a new project at MEXT in FY 2002, based on the University Structural Reform Plan (June 2001) and using "subsidies for the establishment of a research center."

This program aims to make our nation's universities bases at the world's most advanced levels of research and education in a variety of academic fields, to improve research and to foster creative workers who will lead the world in the future. It does this through prioritized support that promotes those universities that are distinguished by their international competitiveness.

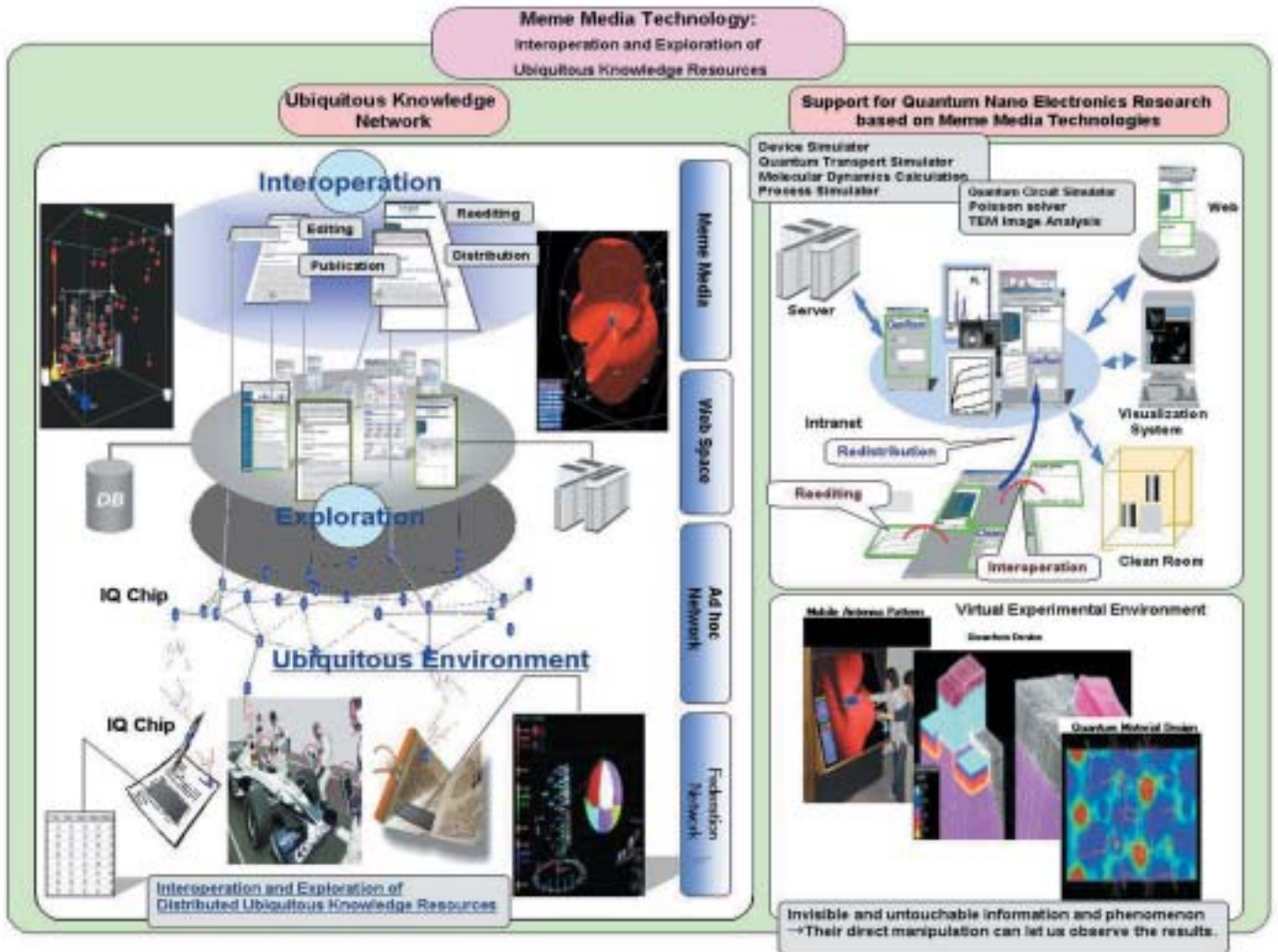


▲ Research on next generation IT technology based on meme media (2005, Sapporo)



▲ Prof. Yuzuru Tanaka, Head of the Program

ogies to develop IQ (Intelligent Quantum nanoelectronic) chips (, i.e., advanced smart dusts) that work as very small knowledge vehicles. These technologies will reduce the size of knowledge vehicles from mobile tools to ubiquitous tiny modules that can be embedded in environments, tools, books, documents, and stationery goods, and make knowledge resources exist everywhere. The communication among such modules will form ubiquitous knowledge networks that connect the Web, ad hoc networks, and federation networks with each other. The program will establish the next generation information technologies based on meme media technologies for the interoperation, exploration, and advanced use of densely distributed ubiquitous knowledge resources.





Graduate School Introduction Series 2 Graduate School of Education

History and Composition of the Graduate School of Education



▲ Graduate School of Education

■ History of the Graduate School of Education

The Hokkaido University Graduate School of Education was established on March 31, 1953 and put into operation on April 1 of the same year. On May 13 of that year, two majors that were offered as both master's and doctoral programs - pedagogy and the educational system - were put in place. In the meantime, education and research were conducted under the structure of 11 Courses and 1 Chair until March 2000, and numerous quality human resources were fostered.

■ Reform by attaching importance to the Graduate School

One of the drastic reforms aiming to establish a new pedagogy in the 21st century that the Graduate School of Education had promoted was the transition of the focus of educational and research systems to the graduate school.

Along with these activities that place emphasis on the Graduate School, the two conventional majors were reorganized into one - pedagogy - and it was decided that the organization of chairs would be transformed. The fixed number of freshmen was also increased significantly to 45 for the master's program and 21 for the doctoral program. Based on the research achievements at national and international levels which were accumulated through the conventional 11 Courses and 1 Chair, the reorganization was conducted into three Chairs to enable the deployment of practical research aiming at more open, comprehensive and advanced research.

As a result, three Chairs were put in place in April 2000: Human Development and Educational Practice; Planning and Administration of Education; and Health and Sport Science. In addition, Research Division for Lifelong Learning, the Center for Research and Development in Higher Education, which assumes important functions of serving as a bridge between HU and the community, has participated in the Chair of Planning and Administration of Education as a Cooperative Chair. In addition, the Graduate School of Education-affiliated Research and Clinical Center for Child Development has joined the Chair of Human Development and Educational Practice as a Cooperative Chair. Since April 2004, the Multicultural Education Chair, which conducts research on ideal multiple cultural education intended to promote mutual understanding, partnership and coexistence in a multilingual and multicultural society, has been added as a Cooperative Chair. As mentioned above, the primary characteristics of the Graduate School of Education is that educational problems can be discussed from a number of aspects.



Graduate School of Education Project Research

■ Comprehensive Research on the Design of Development & Learning Assistance Network

In October 2003, the Graduate School-wide project research was commenced under the theme of "Comprehensive Research on the Design of Development & Learning Assistance Network." The research team consists of all the staff members of the Graduate School of Education and the Center for Research and Development in Higher Education.



International Symposium "Regenerating Communities and Building Learning Support Networks for the Disadvantaged" (Sapporo, 2004) ▶

■ Research goals

- (1) Networking educational resources and educational practices effectively to support the development of people throughout their life in addition to lifelong learning, first from childhood to adolescence, then from adulthood and to senescence
- (2) Development of measures to cultivate experts in development and learning assistance using networks

■ Three pillars of research

The 1st pillar is practical research on the establishment of a Development & Learning Assistance Network for specific areas.

The 2nd pillar is experimental research on the establishment of a wide-area Development & Learning Assistance Network.

The 3rd pillar is international comparative study on a Development & Learning Assistance Network.



▲ Shibetsu City Citizens' Forum on Human Resources and Urban Development "Development Support Network Design for the Assistance of Youths" (Shibetsu City, 2005)



▲ Research and Clinical Center for Child Development affiliated with the Graduate School of Education



We would be grateful to hear your candid views and impressions, as we are hoping to improve its content. Please contact us in the event that you have changed your e-mail address or wish to unsubscribe.

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Hokkaido University Today

◆ List of international symposia in Sapporo this summer

Date	International Symposia	Venue
June 20-21	International Symposium on Soft Nanotechnology 2005	Conference Hall
June 20-21	The 1st CRIS International Symposium on Computational Science and Neuroscience	Conference Hall
June 26-30	11th International Conference on Organized Molecular Films (LB 11)	Gateaux Kingdom Sapporo
July 3-8	13th International Conference on Scanning Tunneling Microscopy/Spectroscopy and Related Techniques (STM'05)	Sapporo Convention Center
August 3-5	The 30th Sapporo Symposium on Partial Differential Equations	Science Building #5
August 4-5	The 2nd IEEE VTS Asia Pacific Wireless Communications Symposium	Conference Hall
August 11	Material Science in 21st Century for the Construction Industry- Durability, Repair and Recycling of Concrete Structures	Conference Hall
August 29-30	International Conference on Radioactive Waste Management in Sapporo	Conference Hall
September 5-7	14th International Couette Taylor Workshop http://ring-me.eng.hokudai.ac.jp/%7Etcw14/top.htm	Conference Hall
September 14-16	International Symposium on Progress in Corrosion Research in Commemoration of Centenary of Birth of Professor Go Okamoto http://www.jcorr.or.jp/newsite/top-page/home.html	Conference Hall
September 21-22	Recent Advances in Research on Terrestrial and Marine Sequences from the mid-Cretaceous Oceanic Anoxic Events http://nature.sci.hokudai.ac.jp/symposium/050921/program_e.html	Science Building #5
September 25-30	5th World Congress on Oxidation Catalysis, Innovations in Oxidation Catalysis Leading to a Sustainable Society (5th WCOC) http://www.e-convention.org/5wcoc/	Sapporo Convention Center