



清华大学

Tsinghua University

# UICC Newsletter

UICC (University-Industry Cooperation Committee), Tsinghua University

## Special Event

### CHINESE PREMIER WEN JIABAO VISITS TSINGHUA

On May, 3<sup>rd</sup>, Chinese Premier Wen Jiabao visited Tsinghua University to celebrate Youth Day with faculty and students. He first visited the Tsinghua University Network Research Center and the Center for Excavated Texts Research and Preservation at Tsinghua and later spoke with Tsinghua students. State Councilor Liu Yandong, Minister of Education Zhou Ji, Minister of Human Resources and Social Security Yin Weimin, Director of the Research Office of the State Council Xie Fuzhan, Deputy Secretary General of the State Council and Director of the Prime Minister's Office Qiu Xiao-Xiong, Deputy Secretary General of the State Council Xiang Zhaolun, Vice Minister of Education Chen Xi, and Vice Director of the Research Office of the State Council Tian Xuebin accompanied Premier Wen on his visit. Tsinghua University President Gu Binglin and Tsinghua University Council Chairman Hu Heping received the delegation and hosted the visit.

At the Network Research Center which directs the construction, operation and management of the CNGI-CERNET2/6IX, after listening to the report on the construction of China Next-Generation Internet (CNGI), he pointed out that the key to the development of science is indigenous innovation and it is a must to align technological innovation to industrial production. Premier Wen also talked with Turing Award Winning Professor Andrew Chi-Chih Yao and exchanged views with him on the status and prospects of scientific researches in China.

He then inspected the Warring States period bamboo strips which are stored at Tsinghua Library. He carefully read the characters on those strips. Li Xueqin, renowned professor of history and director of the Center for Excavated Texts Research and Preservation gave a detailed report on the progress that has been made on the identification and preservation of those strips. Premier Wen was very happy and commented that those strips are invaluable treasures to us and every effort needs to be made for the preservation, interpretation of them.

Finally, Premier Wen had a discussion with 8 student representatives. Most of them are graduates who were going to work in either the earth-hit area, Wenchuan or Tibet. He shared with them his own experience of working in the rural areas and sincerely hoped those graduates show strong sense of responsibility to their job and serve the people with heart and soul. Yan Weilong, a student from School of Fine Arts also presented a sketch to him. The sketch was entitled Motherland· Earth, characterizing how Premier Wen was engaged in geographical work. Premier Wen was very pleased to accept this gift from Tsinghua students.



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The views in this Newsletter are the views of the authors, not necessarily representing the UICC's considerations.

## Highlights

### TSINGHUA PRESIDENT GU BINGLIN ATTENDS THE 2009 ASEE ANNUAL CONFERENCE & EXPOSITION

Tsinghua University President Gu Binglin attended the 2009 American Society for Engineering Education (the ASEE) Annual Conference and Exposition from June 14 to 17 in Austin, Texas. At the Conference, President Gu delivered a speech on June 15 on "Engineering Education in China: Progress, Problems and Prospects".

In his speech, President Gu reviewed the history of engineering education in China and then outlined the current issues facing engineering education. He then discussed the challenges and opportunities facing China in this rapidly developing and changing area of education. Finally, President Gu described the strategies and efforts being made in China to develop sustainable engineering education, especially those particular measures which Tsinghua University has put in place in recent years.

The ASEE Annual Conference & Exposition provides a three-day forum at which over 3,500 professors, deans, instructors and students get an opportunity to present their research and interact with colleagues and industry counterparts. This important event is committed to fostering the exchange of ideas, enhancing teaching methods and curricula, and providing networking opportunities for faculty members and representatives.

### TSING UNVEILS RESEARCH CENTER FOR JAPANESE STUDIES

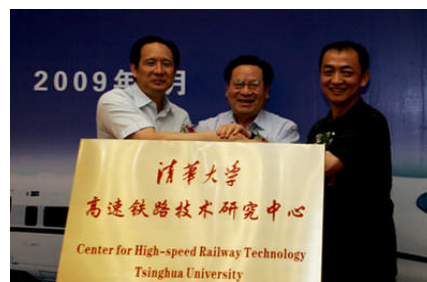


On April 10th, Tsinghua University unveiled its Research Center for Japanese Studies, an inter-college research institute which aims to promote mutual understanding as well as academic and student exchanges and cooperation between China and Japan through cross-disciplinary research. The Research Center for Japanese Studies will have

co-Chairmen, one from China and one from Japan. Former Vice-Minister of Japan's Ministry of International Trade and Industry Fukukawa Shinji was announced at the inauguration as the Center's Chairman from Japan and Tsinghua Vice President Xie Weihe becomes the Center's Chairman from China. Tsinghua University Professor Qu Delin becomes the Center's first Director. The Chairman of the Foreign Affairs Committee of the NPC Standing Committee and China's former Minister of Foreign Affairs Li Zhaoxing, Vice Chairman of the Chinese Peoples' Association for Friendship with Foreign Countries and Vice Chairman of the China-Japan Friendship Association Jing Dunquan, Tsinghua University President Gu Binglin, Tsinghua University Council Chairman Hu Heping, and Tsinghua University Vice President Xie Weihe also attended the event.

Tsinghua President Gu, Mr. Jing Dunquan, Mr. Fujio Mitarai, and Mr. Miyamoto Yuji together inaugurated the Center. Tsinghua President Gu Binglin addressed the inauguration audience. He noted that exchanges and cooperation have been further promoted between Tsinghua and Japan in recent years, and he expressed the hope that the Center would develop into a multi-disciplinary platform for high-level research.

### TSINGHUA UNVEILS CENTER FOR HIGH-SPEED RAILWAY TECHNOLOGY



At an inauguration ceremony on June 13th, Tsinghua University unveiled its Center for High-speed Railway Technology (CHRT), a cross-disciplinary research institute. The purpose of the Center is to provide strategic support for the development of China's high-speed railway through research on strategic plan for future high-speed railway construction in China and related science and technological problems. Mr. Zhang Shuguang, Deputy Chief Engineer of the Ministry of Railways

and Director of Transportation Bureau, Mr. Xie Huanzhong, Director-General of the Department of Science and Technology of the Ministry of Education, and Tsinghua University President Gu Binglin together inaugurated the Center. Tsinghua University Vice President and Director of the Center Kang Kejun hosted the ceremony.

### 2009 TSINGHUA INTERNATIONAL DESIGN MANAGEMENT SYMPOSIUM HELD

The 2009 Tsinghua International Design Management Symposium opened at Tsinghua's Academy of Arts and Design on April 24th. Stanford University Vice President Christophe Andrew, Tsinghua Vice President Xie Weihe, and Tsinghua University Council Vice Chair Wang, Mingzhi, and experts from China and abroad attended the event. Mr Qiu Jiayu, Deputy Design Director of Lenovo, Mr. Gordon Bruce, Former President of the Art Institute of California-Los Angeles etc. delivered speeches at the symposium.

### NOBEL PRIZE WINNER JOHN E. SULSTON DELIVERS SPEECH



The 2002 Nobel Prize winner in Physiology or Medicine Professor John E. Sulston, who serves as the Director of the Institute for Science, Ethics and Innovation at The University of Manchester's Faculty of Life Sciences in Great Britain, delivered a speech at Tsinghua on March 30 entitled "Who Owns Science?" The Dean of Tsinghua School of Public Policy and Management Xue Lan, who is the Director of the China Institute for Science and Technology Policy, hosted the speech which was attended by nearly 70 students and teachers from various departments. In his speech, Professor Sulston focused on ethics and innovation as important areas for scientific research. He also talked about global medicine and health care and compared policy initiatives in different countries.

## Work In Partnership

### **PROJECT REVIEW OF THE TSINGHUA-INTEL JOINT RESEARCH INSTITUTE IS HELD**

Tsinghua-Intel Joint Research Institute project review meeting was held on April 9th. Principal Investigators in reported their research firstly and then the panel of appraisal examined the details of the projects. Experts also presented their suggestions on the application and promotion of the research. The experts unanimously consented to the completion of the two projects. Many specialists participated in the appraisal, including Dr. Kevin Kahn-the distinguished Intel academician, Prof. Li Jun-Executive Vice Dean of School of Information, Tsinghua University, Prof. Niu Zhishen- Vice Dean of School of Information, and Dr. Ma Jun, Director of Oversea R&D Management Office.

### **BRIEFING HELD ON THE COMPLETION OF UWB PROJECT OF SONY-ELECTRONICS DEPARTMENT**

On April 13, a briefing on the Completion of Sony-Electronics Department UWB Project was held in the Main Building of Tsinghua University. Mr. Fujita, President of Sony Wireless Technique Research Center, Tomitaka, Vice President of Sony China R&D Center attended the meeting and listened to the report of Ge Ning, project leader. Lu Jianhua from the School of Aerospace, Jin Depeng, Vice Chairman of Electronics Department, and representatives from Oversea R&D Management Office sit in on the report conference.

### **PROJECT REVIEW AND STEERING COMMITTEE MEETING OF TSINGHUA-SANYO ELECTRIC ENVIRONMENT TECHNOLOGY RESEARCH INSTITUTE HELD IN JAPAN**

Project review and steering committee meeting of Tsinghua-Sanyo Electric Environment Technology Research Institute (TSEETRI) was held in Japan from 18 to 22, April. Seven representatives including Dr. Ma Jun, Director of Overseas R&D Management Office, and Prof. Liu Wenjun, Director of TSEETRI attended the conference. Mr. Takashi Fukunishi, General Manager of Technology Cross-Function

Promotion Center, R&D Headquarters, and, Mr. Takahiro Yonesaki, General Manager of ECO Technology Research Center, R&D Headquarters, participated in the conference and listened to the report. Researchers from both parties entered into issues related to the research contents of 2009. The Steering Committee discussed the direction of major research work in 2009 and the future steps in the economic crisis period.

### **BOARD CHAIRMAN OF OMRON (CHINA) COMPANY VISITS**

Mr. Yamashita Toshio, Former President of Omron (China) Co. Ltd., and Mr. Tatsunosuke Goto, coming President of Omron (China) Co. Ltd. visited Tsinghua University on April 24. Wang Jinsong, Vice President of Tsinghua University welcomed them in Gongzi Hall. The two parties reviewed the cooperation on Image processing, human face recognition, three dimensional measurement, MEMS etc. in recent years. Both hoped to extend the cooperation areas into the chains of product overall lifecycle in the future.

### **TSINGHUA-MITSUBISHI HEAVY INDUSTRY ANNUAL MEETING HELD**

On April 30, Tsinghua-Mitsubishi Heavy Industry Annual Briefing was held in Chengdu. Over 60 researchers from 6 research institutes of Mitsubishi Heavy Industry headed by the Senior Executive Vice President & Member of the Board Mr. Sunao Aoki participated in the meeting. Professors in charge of 59 related projects and graduates from our university reported their progress and answered questions from participants. Executive Deputy Director of Scientific R&D Office, Jiang Peixue and Director of the Overseas R&D Management Office, Ma Jun also participated in the meeting. After the briefing, Mr Aoki issued completion certificates to participants responsible for the projects.

### **UICC OVERSEAS MEMBERS SYMPOSIUM HELD**

On June 17, UICC Overseas Members Symposium was held by UICC at Wenjin International Hotel. Executives of inform multi-national China functions such as P&G, Intel, HP, Hitachi, Toyota, Sony, Siemens Ltd. attended the meeting.

UICC also invited Chen Quansheng, Counselor of the State Council to address the meeting. Mr. Chen used to be the Director-General of Industrial Transportation Trade Division, the State Council Policy Study Office. He has lots of experience concerning enterprise reform and management as he used to work in State Economic Commission, the State Planning Commission, the State Commission for Restructuring the Economy, the State Council Production Committee, the State Economic and Trade Commission. The participants of this meeting held in-depth discussion on issues like economic trend in China against the backdrop of the world economic crisis, policies on stimulating domestic demand, indigenous innovation, Chinese human resources, and qualification certificate criteria of high-tech enterprises, positioning and development of R& D institutions in China for multi-national companies. Mr. Chen briefly introduced the overall domestic economic situation in the first half of this year and the Government's initiatives to boost domestic demand. He also consulted the representatives' view on the overall economic situation in China and their advice on polices of foreign capital. Ma Jun, Director of the Overseas R&D Management Office and Deputy Secretary-General of UICC hosted the symposium.

### **TSINGHUA UNIVERSITY (MEDICAL RESEARCH INSTITUTE) - BAYER INNOVATIVE MEDICATION JOINT RESEARCH CENTER SET UP**

On June 19th, Kang Kejun, Vice President of Tsinghua University, Hanno Wild, Vice President of Bayer Global, Liam Condon, Chief Manager of Bayer China Co., Ltd. unveiled the Tsinghua University (Medical Research Institute) - Bayer Innovative Medication Joint Research Center on behalf of the two parties. They also announced the first batch of funded researchers and projects. Overseas R&D Management Office Director, Ma Jun and leaders from Medical Research Institute and Chemistry Department also attended the ceremony. Officially approved by the University Council on March, 17th, Joint Research Center is headed by Professor Shi Yigong. Bayer Global will invest 3 million dollars in three years to fund the medical research in Tsinghua University.



## What's New

### COOPERATION AGREEMENT SIGNED WITH QUEEN'S UNIVERSITY BELFAST



On May 22nd, Vice President Xie Weihe met with delegates from Queen's University Belfast headed by the president Peter Gregson at Jiasuo hotel. The two parties signed a memorandum of cooperation and a memorandum on the approved "Sino-British Science Bridge" project. The UK Research Council and Queen's University Belfast have allocated 2.3 million pounds to this project on sustainable energy and building environment.

### TWO PROFESSORS FROM DEPARTMENT OF BIOLOGY PUBLISHED ARTICLES IN NATURE AND SCIENCE

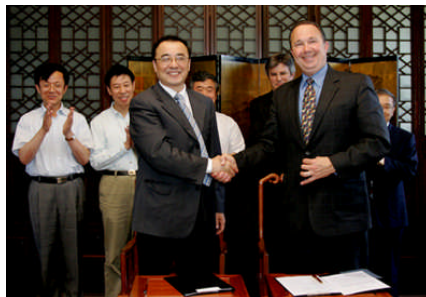
On May 27th, Professor Wu Jiawei has published an article entitled "AMP-activated protein kinase self-inhibition mechanism of structural characteristics" in the British journal *Nature*. On May 28th, another article entitled "Decarboxylation product of arginine and its reverse cotransporter protein structure and mechanism" was published by Professor Shi Yigong on the American Journal *Science*.

The research group led by Wu Jiawei has proposed new dynamic control model of AMPK. This is the first article published on Nature in Biology Department and all the work was done domestically. The research group led by Professor Shi Yigong has analyzed for the first time the more than 250 members of the APC family of membrane protein crystal structure. Their research group has also published an article on the journal Nature-Structural & Molecular Biology at the end of last year.

The two great achievements are accomplished thanks to the implementation of "the brain gain strategy" and "985 Project" and signal a solid step towards the journey of

being world first-class institute for the Department of Biology.

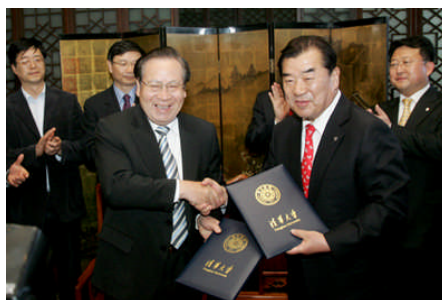
### TSINGHUA AND PACIFIC NORTHWEST NATIONAL LABORATORY SIGN AGREEMENT



Tsinghua University and The Pacific Northwest National Laboratory (PNNL) signed a Memorandum of Understanding on May 13 during a visit to campus by PNNL Director Dr. Mike Kluse and PNNL Associate Director Dr. Douglas Ray.

Tsinghua Vice President Xie Weihe had a discussion with Dr. Kluse and Dr. Ray prior to the collaboration agreement signing ceremony. Tsinghua University Council's Vice Chairperson and the Director of the Tsinghua Low Carbon Energy Laboratory He Jiankun also participated in the discussion. The two sides expressed the hope that more collaboration could be built between Tsinghua and PNNL in the future, especially faculty and student exchanges.

### KOREA UNIVERSITY AND TSINGHUA UNIVERSITY SIGN MOU



Korea University and Tsinghua University signed a Memorandum of Understanding covering exchange of information and academic publication, the exchange of academic staff and students, and joint cooperative research projects during Korea University President Ki-Su LEE's visit on April 15. Tsinghua President Gu Binglin exchanged ideas on education and research development with President LEE prior to the signing ceremony.

"Korea University is an important partner of Tsinghua. Both sides have carried out collaboration on student exchange," said President Gu. President LEE and President Gu expressed the hope that Tsinghua and Korea University can carry out more exchange programs in the future.

### DELEGATION FROM HARVARD KENNEDY SCHOOL VISITS SPPM



A 30 member delegation from Harvard Kennedy School (HKS) paid a visit to Tsinghua School of Public Policy and Management (SPPM) on June 1. Dean Xue Lan hosted the group and introduced to them the history of the school. Students from HKS raised many issues pertaining to the education system of public servants and China's development. Several academics also gave presentations on different aspects of modern China.

## In Brief

1. President Ralph Eichler of the Switzerland's Federal Institute of Technology Zurich (ETH Zurich) visited Tsinghua on May 13.
2. Cambridge University Vice-Chancellor Alison Richard visited Tsinghua University on March 26.
3. The University of Chicago President Dr. Robert Zimmer visited Tsinghua on April 24th.
4. Tsinghua President Gu Binglin and Professor Li Xueqin together inaugurated Tsinghua University's Center for Excavated Texts Research and Preservation on April 25th.
5. A total of 51 business elites from around the world have been admitted to Tsinghua-INSEAD Dual Degree EMBA Program recently. The opening ceremony was held at Tsinghua School of Economics and Management (SEM) on June 5.