



清华大学

Tsinghua University

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

UICC Newsletter

UICC (University-Industry Cooperation Committee), Tsinghua University

Special Event

TSINGHUA RESEARCH ACHIEVEMENTS WIN 23 STATE SCIENCE AND TECHNOLOGY AWARDS

Twenty-three Tsinghua research achievements were recognized as the 2008 State Science and Technology Awards. Tsinghua professors accepted the awards on January 9 at the annual National Science-Technology Award Ceremony in the Great Hall of the People in Beijing. Tsinghua's research achievements rank first among Chinese universities. The prize-winning research achievements as lead research institution were:

Nonlinear Control Theory of Large Scale Power Systems, primarily achieved by Academician Lu Qiang and his colleagues (State Natural Science Award second prize);

Functional Nanomaterials: Rational Synthesis, Structure, Properties and Their Applications, primarily achieved by Professor Li Yadong and his colleagues (State Natural Science Award second prize);

Formal Models and Logical Foundations of Non-Classical Computation, primarily achieved by Professor Ying Mingsheng and his colleagues (State Natural Science Award second prize);

New Generation Energy Management System for Power Systems with 3-Dimensional Coordination, primarily achieved by Professor Zhang Boming and his colleagues (State Technological Invention Award second prize);

Nano-calcium Phosphates/Collagen Based Bone Repair Materials, primarily achieved by Professor Cui Fuzhai and his colleagues (State Technological Invention Award second prize);

New Technology of Streaming Media Service based on Networks integration, primarily achieved by Professor Dai Qionghai and his colleagues (State Technological Invention Award second prize);

Building an Energy Saving Simulation Analysis Platform-DeST and It's Application, primarily achieved by Academician Jiang Yi and his colleagues (State Scientific and Technological Progress Award second prize);

Polishing, Modification and Measurement Techniques for Ultra Precision Surfaces and Their Applications, primarily achieved by Professor Luo Jianbin and his colleagues (State Scientific and Technological Progress Award second prize);

Fluvial Processes of Braided Rivers and Its Application in the Regulation of the Yellow River and Tarim River, primarily achieved by Professor Wang Guangqian and his colleagues (State Scientific and Technological Progress Award second prize);

TH-ID Face and Writer Identification and Verification Systems, primarily achieved by Professor Ding Xiaoqing and his colleagues (State Scientific and Technological Progress Award second prize).



Highlights

FORMER BRITISH PRIME MINISTER TONY BLAIR SPEAKS TO TSINGHUA STUDENTS ON CLIMATE CHANGE



Former British Prime Minister Tony Blair delivered a speech to Tsinghua students entitled “A Global Deal in Climate Change: the Role of Business and New Technologies” on March 24 in the Lecture Hall of the School of Economics Management, Tsinghua University.

In his speech, Mr. Blair explained the basis of the global agreement and the major challenges in dealing with climate change. He said the present economic downturn presents a good opportunity to solve this problem. He urged governments to make sure a substantial amount of stimulus investment flows into the new clean energy sector. He also broke down the challenges facing all countries into specific aspects. He said people should realize that the responsibility for tackling climate change is not restricted to government, but everyone must shoulder some responsibility.

U.S. SECRETARY OF STATE HILLARY CLINTON TALKS WITH TSINGHUA STUDENTS



U.S. Secretary of State Hillary Clinton talked with Tsinghua students and teachers during her visit to the Taiyanggong Thermal Power Plant on February 21.

In a prepared speech at Taiyanggong, Secretary Clinton urged that the U.S. and China need to forge wide ranging cooperative efforts to confront the looming climate change issue which faces the world today.

U.S. Climate Change Special Envoy Todd Stern also addressed the audience gathered at Taiyanggong, which included Mark Norbom, President and CEO of GE Greater China, Jack Wen, President and Regional Executive for GE Energy for the China Region, experts from Tsinghua, and representatives from the Taiyanggong Thermal Power Plant.

TECHNICAL UNIVERSITY OF DENMARK PRESIDENT VISITS



Tsinghua University Council Chairman Hu Heping welcomed President Lars Pallesen of the Technical University of Denmark (DTU) on March 20. Professor Hu and Professor Pallesen exchanged ideas on the cooperation established between Tsinghua and DTU and discussed the possibilities for enhancing collaboration in student exchange and research in fields as material science, energy, and the environment. Professor Pallesen later visited Tsinghua’s Graduate School.

TSINGHUA ESTABLISHES CENTER FOR ENGINEERING EDUCATION



Tsinghua University unveiled its Center for Engineering Education (CEE), a cross-disciplinary research center for engineering education studies, at an inauguration ceremony in the Main Building on January 12.

Former Vice Minister of Education Ms. Wu Qidi was named the Director of the Center. Tsinghua University President Gu Binglin was named the Honorary Director. CEE aims to make full use of the traditional advantages Tsinghua has in engineering education practice and research, pay close attention to new problems, new

thoughts, new experiences, and new methods arising in the international field of engineering education, engage in the discussions of cutting edge issues in the reform and development of the field, explore the essential rules in the cultivation of innovative engineers in the current circumstances.

MCGOVERN INSTITUTE SYMPOSIUM ON NEW FRONTIERS IN BRAIN RESEARCH

The McGovern Institute Symposium on New Frontiers in Brain Research was held in Tsinghua’s Main Building on February 24th and 25th. Professor Shi Yigong, Vice Director of Tsinghua’s Institute of Biomedicine, hosted the Symposium. Professor Robert Desimone, Director of the McGovern Institute for Brain Research, and Tsinghua University Vice President Xie Weihe attended the opening ceremony.



CHINA-BRAZIL FORUM ON CLIMATE CHANGE AND ENERGY TECHNOLOGY INNOVATION



The China-Brazil Forum on Climate Change and Energy Technology Innovation opened in Tsinghua’s Main Building on January 14. Mr. Samuel Pinheiro Guimarães, Brazilian Vice-Minister for Foreign Issues, Professor Luiz Pinguelli Rosa, Federal University of Rio de Janeiro Director of COPPE, and representatives from Brazil’s Embassy in China attended the Forum. Academician Ni Weidou, Director of the Science and Technology Commission of the Ministry of Education, Mr. Yu Qingtai from China’s Ministry of Foreign Affairs, and representatives from the National Energy Administration and Ministry of Science and Technology also attended the Forum.

Work In Partnership

THE 4TH ACADEMIC COMMITTEE MEETING OF TSINGHUA-TOYOTA RESEARCH CENTER HELD

The 4TH Academic Committee Meeting of Tsinghua-Toyota Research Center was held in Tsinghua on January 7. Chairman of Committee Academician Qian Yi chaired the meeting. The Director of the center, Academician Hao Jiming made a report on the R&D project achievements in 2008 and new projects in 2009. 11 project principal investigators from Department of Environmental Science and Engineering, Department of Automotive Engineering, Department of Thermal Engineering and Department of Material Science and Engineering respectively made detailed reports on each project. The Academic Committee gave a high appraisal of the status of on-going projects and encourages the researchers to carry on the hard work to obtain more significant achievements. Director of Overseas R&D Management Office Dr. Ma Jun joined the meeting.

THE SECOND CAERC ADVISORY COMMITTEE MEETING HELD

The Second China Automotive Energy Research Center (CAERC) Advisory Committee Meeting was held in the International Conference Center of Tsinghua Science Park on March 7. Attended CAERC Advisory Committee Members are: BP Sustainable Traffic Senior Advisor Mr. Duncan Eggar, Energy Research Institute of National Reform and Development Commission Director General Mr. Han Wenke, State Council Development Research Center Industry Traffic and Trade Department Director Mr. Tang Yuan, State Councilor Mr. Shi Dinghuan, Vice Chairman of Tsinghua University University Council Prof. He Jiankun, GM Vice President Mr. Kevin Wale, GM China Vice President Mr. Chen Shi, Director of CAERC Mr. Wang Zanji, and etc. Director of the Center Professor Wang Zanji made a yearly report on 2008 achievements, including launching and infrastructure construction, project initiatives and employee hiring, director meetings and academic salons, academic activities and communications, national and

international cooperation, governmental support from China and US government, advisory committee, close interactions with GM and SAIC. Deputy Director Professor Zhang Xiliang reported on the overall project plan and progress arrangement, as well as the project achievements in 2008. The Advisory Committee members spoke highly of the work done and offered constructive suggestions.

Director of the Advisory Committee Professor He Jiankun concluded the meeting by making four suggestions. First, the research work should serve the current government decisions of developing new energy automobiles. Second, technology research and policy research should be better combined. Third, the comprehensive integration of the research needs to be strengthened. Fourth, it is necessary to build connections with other research institutes and learn their research progress. GM Vice President Mr. Kevin Wale expected the center to bring the suggestions to effects.

TSINGHUA DTE-TOSHIBA ENERGY AND ENVIRONMENT CENTER PROJECT ASSESSMENT MEETING HELD



Tsinghua DTE-Toshiba Energy and Environment Center Project Assessment/ Steering Committee Meeting was held in Tsinghua on January 16. Vice Chairman of the University Council Prof. He Jiankun delivered the welcome speech. 7 project principal investigators reported respectively on each project achievement and received Certificates from Toshiba CTO Dr. Ichiro Tai. Director of DTE-Toshiba Research Center Professor Cai Ningsheng gave a report on the operation of the center. Dean of Department of Thermal Engineering Prof. Yao Qiang, Director of Overseas R&D Management Office Dr. Ma Jun attended the meeting.

CFM PRESIDENT VISITS

On January 20, Tsinghua Vice President Kang Kejun welcomed CFM President Mr. Eric Bachelet at Gong Zi Ting. As one of the major civil

aviation engine providers in the world, CFM is a joint venture engine manufacture invested by GE Aviation Engine Corporation and the French Snecma Corporation. After reviewing the fruitful cooperation between Tsinghua and CFM, as well as GE, Vice President Kang expressed his strong wishes for the two sides to bring the cooperation to the next level and achieve win-win situation. Professor Fu Song, Professor Shi Huiji from School of Aerospace, and Dr. Ma Jun, Director of Overseas R&D Management Office also attended the meeting.

TSINGHUA-HITACHI VIA COOPERATION AGREEMENT SIGNED



The Signing Ceremony of Cooperation Agreement between Tsinghua University and Hitachi Via was held on March 20. Vice President of Tsinghua University Kang Kejun and President of Hitachi Via Mr. Mikio Yotsu attended the ceremony. The two parties reviewed the successful cooperation within the past three years and signed the cooperation agreement of the new phase. Director of Overseas R&D Management Office Dr. Ma Jun chaired the ceremony.

TSINGHUA-INTEL JOINT RESEARCH INSTITUTE 2009 NEW YEAR TEA PARTY HELD

Tsinghua-Intel Joint Research Institute 2009 New Year Tea Party was held in School of Information Science on January 21. The attendees reviewed the close cooperation between Tsinghua and Intel in the past. By relating to their own experience, they offered concrete suggestions on strengthening the future cooperation. About 30 staff from School of Information Science and Technology attended the tea party.



SEMINAR ON EU FP7 PROGRAMME HELD



A Seminar on European Union the Seventh Framework Program was co-held by Tsinghua University and Beijing University in Beijing Wenjin Hotel on March 18. The seminar aims to introduce application and administration procedure of FP7, encourage the researchers to participate in FP7 and promote scientific R&D cooperation between Chinese universities and EU research entities.

Mr. Xing Jijun, Director of Division of European Affairs, Department of International Cooperation, Ministry of Science and Technology introduced FP7's implementation in China in general. Program Coordinator of China-EU Technological Cooperation Promotion Office Dai Le explained the project assessment, implementation and administration mode. Professor Hu Min from School of Environmental Science and Engineering of Beijing University and Dr. Jiang Jinlei from Department of Computer Science and Technology shared with their own experience in participating EU program framework. The FP Programme coordinators of Tsinghua University and Beijing University made presentations on how to prepare a proposal and financial requirements. The seminar was chaired by Dr. Ma Jun, Director of Tsinghua Overseas R&D Management Office. More than 100 faculty members from both universities attended the seminar.

HK DELEGATION VISITS

Chairman of Hong Kong Sales (International) Limited, Mr. Li Xiankai and Director for Technology Development of Hong Kong Productivity Council Dr. Stephen S. F. Lee visited Tsinghua University on March 17. Following the welcome and introductory remark by Deputy Director of Office of Scientific R&D Professor Ji Shishan, the delegation visited Department of Automotive Engineering accompanied by its Dean Professor Li Keqiang. The delegation members showed strong interests in

the achievements of new energy autos and expressed wishes to establish cooperation in this field.

AGREEMENT SIGNED BETWEEN TSINGHUA AND BAYER

The Signing Ceremony between Institute of Biomedicine, Tsinghua University and Bayer Healthcare was held on March 17. Bayer Healthcare Schering Pharma Senior Vice President Global Drug Discovery Mr. Hanno Wild, Deputy Director of Office of Scientific R&D Professor Zhang Huatang, Dean of Institute of Biomedicine Professor Shi Yigong attended the ceremony. Based on the agreement, the two parties will conduct frontier researches in the field of medicine and healthcare. Professor Zhang Huatang welcomed the guests on behalf of the university and Office of Scientific R&D. After introducing the technological advantages of Tsinghua University in medicine research, Professor Zhang called for the combination of Tsinghua's academic predominance and Bayer's influence in biochemical and medical healthcare so as to promote China's scientific research in related fields. Mr. Hanno Wild acknowledged the cooperation between Bayer and Tsinghua as the good start of a long term mutually beneficial research relationship. He urged the two sides to establish close and sincere cooperation and promote the technological improvement in medicine and health care of the world.



THE 7TH STEERING COMMITTEE MEETING OF TSINGHUA-TOYOTA RESEARCH CENTER HELD

The 7th Steering Committee Meeting of Tsinghua-Toyota Research Center was held in Tsinghua on March 19. Tsinghua Vice President Kang Kejun and Toyota Motor Corporation Vice President Masatami Takimoto attended the meeting. The Deputy Director of Office of Scientific R&D Prof. Jiang Peixue chaired the meeting. The Director of Tsinghua-Toyota Research Center, Academician Hao Jiming made a yearly progress report

on the R&D projects outputs and operation status of the Center. The Steering Committee reviewed positively about the center's achievements in 2008 and approved the budget plan for the 11 new projects in 2009 that cover the fields of environment, energy, vehicle safety technology and materials. Director of Overseas R&D Management Office Dr. Ma Jun and other committee members joined the meeting.



In Brief

1. Tsinghua University with Hokkaido University and Nagoya University celebrated Joint University Day at Tsinghua on March 8th.
2. Professor Amy Gutmann, President of the University of Pennsylvania, visited Tsinghua on January 8th. During her visit, a cooperation agreement was signed between University of Pennsylvania and Tsinghua.
3. University of Southern California Professor Kai Hwang delivered a Tsinghua Global Vision Lecture entitled "Global advances in computer and information technology: Can China take the lead?" in the FIT Lecture Hall on January 6.
4. Professor Arthur Garson, the Executive Vice President and Provost of the University of Virginia, delivered a speech on March 12 at the Tsinghua Forum entitled "Who will provide health care for the people of the world: a new model for care involving patients, grandparents, nurses and physicians".
5. Singaporean Minister of Education Mr. Huang Yonghong visited Tsinghua University on February 24.
6. Cambridge University Vice-Chancellor Alison Richard visited Tsinghua University on March 26. She discussed education issues with Tsinghua University President Gu Binglin. Tsinghua Vice President Xie Weihe also participated in the discussion.