



DEPARTMENT OF ENVIRONMENTAL SCIENCE & ENGINEERING  
TSINGHUA UNIVERSITY

# Newsletter

Issue 04

DEPARTMENT OF ENVIRONMENTAL SCIENCE & ENGINEERING  
TSINGHUA UNIVERSITY

第四届全国博士生学术会议暨环境科学与工程新理论、新技术学术讨论会合影留念



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### DESE Mobile Station for Post-doctors Honored the National Excellent Mobile Station for Post-doctors

On Dec. 15, DESE mobile station for post-doctors and other 16 mobile stations for post-doctors were honored the "National Excellent Mobile Station for post-doctors in 2010" by Ministry of Human Resources and Social Security of PRC and National Post-doctoral Administration Commission in the

"National Post-doctoral Conference & Exchanging Meeting for the 25th Anniversary of the Post-doctoral System Establishment".

DESE has been recruiting post-doctors in environmental engineering since the year 1986. The mobile station for post-

doctors has totally 318 post-doctors since its establishment in 1999, and now has 97 post-doctors, who has been an important part of the research team of DESE. In the Excellent Post-doctor Evaluation in the past 13 years, DESE has won prizes for 8 times.

### DESE Held the 2010 Symposium on Reform and Development

From Nov. 27 to 28, the 2010 Symposium on Reform and Development of DESE was held. Over 80 faculty and staff members attended. The DESE Dean YU Gang, Chairman DU Pengfei, and Vice Dean ZUO Jiame delivered keynote speeches on "The Development

Strategy of the Environmental Discipline", "Organizational Structure Setting", "Personnel Serial Management" and "Undergraduates Training Program Revise", respectively. They analyzed the current development situation, opportunities, challenges of DESE, proposed the short and mid-term development goals, introduced the working thought and scheme of organizational structure setting, personnel management, meanwhile the undergraduates training program. Every attendant took part in the heated



discussion after each speech and provided some constructive suggestions on the four issues. All faculty deepened the understanding about the importance of the above reform and development work, improved the working thought.



### Academician HAO Jiming and the Students' Green Association Honored the 2008 and 2009 Annual Green Stars in China

On Nov. 25, the award ceremony for the 2008 and 2009 Annual Green Stars in China was held in Beijing Exhibition Theater. The DESE professor and Academician HAO Jiming was honored

the 2008 Annual Green Stars in China, also the Students' Green Association honored 2009s'. DESE has received consecutive honors since professor ZHANG Xiaojian received it in 2007.

The Green Stars in China, which was established in 2005, was organized by the Publicity Department of CCCPC, Environmental and Resource Protection of National People's Committee, Committee of Pop-

ulation, Resources, and Environment of CPPCC, Ministry of Environmental Protection, Ministry of Culture, the State Administration of Radio Film and Television and the Communist Youth League, and was voted by the public and experts with the special support from UNEP.



### High-level Forum of Technology Innovation and Green Development Held in DESE



On Nov. 18, the co-organized High-level Forum of Technology Innovation and Green Development by six departments of Ministry of Science and Technology (MOST), National Development and Reform Commission and Ministry of Industry and Information Technology, etc., was held in Beijing. Tsinghua DESE Research Center for Industry of China's Circular Economy held the sub-forum of "Technology Innovation and Green Development". Member of Political

Bureau of the CPC Central Committee and State Councilor LIU Yandong sent a congratulation letter, and Vice President of CPPCC and Minister of MOST WAN Gang addressed the meeting. Academician CHEN Qingquan and FEI Weiyang and other famous experts made reports in the sub-forum. Over 600 representatives from government, famous experts and scholars, industries, international institutes and non-government organizations attended.

This forum consists of four sub-forums of "Scientific Cognition of Climate Change", "Technology Innovation and Green Development", "Social Impact, Adaption and Respond to Climate Change" and "Dealing Strategy and International Cooperation of Climate Change". During the meeting, the attendants actively took part in the interaction with experts and exchanged their own opinions.

### The 2010 Solid Waste Strategy Forum Held in Beijing

From Nov. 26 to 27, the co-organized 2010 Solid Waste Strategy Forum by DESE, Solid Waste.com and China Urban Construction Design and Research Institute was held in Beijing. Over 400 representatives attended and discussed the hot topics in solid waste treatment area. Professors NIE Yongfeng, LI Jinhui, and WANG Kaijun of DESE attended the meeting, and made keynote speeches on rubbish classification management, China E-waste treatment and management, and solid waste treatment technology management system, respectively. Dr. FU Tao from Division of Environmental Management and Policy of DESE made a conclusion speech of the CEO forum and the whole meeting.

The "Solid Waste Strategy Forum" was renamed from the "China High-level Solid Waste Forum", and includes four parts of "Policy and Legislation Plan", "Technological Case

Study and Share of Engineer Experience", "Solid Waste Management Theory and Practice Experience" and "CEO Forum". Representatives from government, academia, design & research institutes, advisory service centers and enterprises made a deepened discussion on the policy of solid waste treatment, case study, manage experience at home and abroad, trend of industry development, market mode and operation mechanism, and development strategy of solid waste enterprises.



### The 2010 Symposium on Environmental Nanophase Materials and Microanalysis Across-Strait Held in DESE

On Dec. 10, Prof. DONG Rui'an, Dean of the Department of Biomedical Engineering and Environmental Science of the National Tsing Hua University, together with 7 teachers and 6 graduate students attended the 2010 Symposium on environmental Nanophase Materials and microanalysis Across-Strait held in DESE. Dean of DESE YU Gang met the delegation in the symposium.

This conference, including 12 keynote speeches, focused on

the discussion of the environmental application of nanophase materials and the characterization of the nanophase particles in the environment. Teachers from the National Tsing Hua University, Prof. ZHANG Pengyi and associate professor DENG Shubo from Division of Environment Chemistry of DESE, Prof. LI Junhua and associate professor JIANG Jingkun from Division of Air Pollution Control of DESE and Prof. ZHU Yongfa from Department of Chemistry of Tsinghua University gave keynote speeches respectively.

### centER Tsinghua-RWTH Aachen Environmental Research Center Inaugurated

On Dec. 7, the opening ceremony of the "centER Tsinghua-RWTH Aachen environmental research center" was held in DESE. Dean of DESE YU Gang and Prof. Hausmann from Environmental Engineering Research Center of RWTH Aachen hosted the ceremony. Doc. Koester, YAO Gang, Beier and ZHAO Fangfang, and Prof. ZUO Jiame, WANG Kaijun, and some Ph. D candidates gave keynote speeches on their own research project and

extended heated discussion.

"centER Tsinghua-RWTH Aachen Environmental Research Center" was established to search the common interested

research topic and areas, and expand the technology exchange and personnel training on the basis of current research & technology cooperation between DESE and ISA.



### The 5th International Conference on Waste Management and Technology Held in Tsinghua



From Dec. 15 to 17, the 5th International Conference on Waste Management and Technology was held in Tsinghua University. LI Xinmin from Department of Pollution Prevention and Control of Ministry of Environmental Protection, Executive Secretary of Basel Convention Secretariat Katharina Kummer Peiry, President of the Research Academy of Environmental Science and Engineering of Tsinghua University and Academician HAO Jiming, director of the Chinese Society for Environmental Sciences Solid Waste Branch QUAN Hao addressed the opening ceremony. HAO Jiming is the president of the committee of the conference, and DESE professor LI Jinhui, who is also the Ex-

ecutive Secretary of the Basel Convention Coordinating Centre for Asia and the Pacific (BCRC) was the president of the conference. Totally over 40 teachers and students attended the meeting.

This conference was composed of four topics, including the treatment and management of e-waste, hazardous waste, municipal sludge, and domestic garbage. Totally 43 experts and scholars made keynote speeches on solid waste management and treatment technology, e-waste and biomass waste management and treatment technology and etc. The conference, which was co-organized by Tsinghua University, Chinese Society for Environmental Science Solid

Waste Branch, Stockholm Convention Capability Construction and Technology Transfer Center for Asia and the Pacific, and co-hosted by BCRC and Solid Waste Management Center of Ministry of Environmental Protection, received 155 papers and 62 reports.

At the meantime, the PACE Face-to-face Conference, Symposium on Environmentally Sound Management of Asbestos Waste, and Symposium on Sino-USA Environmental Cooperation on Solid Waste Management were also held.

### Tsinghua-Veolia Environment and Urban Management Advanced Program Kicked off

On Nov. 13, an opening ceremony of Tsinghua-Veolia Environment and Urban Management Advanced Program (hereinafter referred to as EUMAP) was held at DESE. Mr. Luc Zeller, Chief Finance Officer of Veolia Environnement Asia, and Mr. Yu Gang, Dean of the Department of Environmental Science & Engineering of Tsinghua University (hereinafter referred to as DESE) attended and addressed the ceremony on behalf of the sponsors. Also in attendance were local government officials from across the country, program participants from NGOs and media. This year's program is focused on waste incineration and power generation, investment and financing management in the environment sector and many other hot topics.

The program lasts five years, with around 20 participants from across the nation each year, attending lectures given by senior officials from Chinese government, experts from Tsinghua University and other academic institutions, renowned European environmentalists and municipal

experts, all invited by sponsors. A study tour in France and other European countries is also included to introduce developed countries' efforts and experiences to achieve sustainable development through environmental protection and urban management. To complement lectures and study tours, participants can also attend workshops and symposiums to discuss how to apply what they learn into practice. This year's program runs eight days and is divided into two parts. The first part includes lectures by professors from DESE and officials from Ministry of Environmental Protection and National Development and Reform Commission and a visit to the water quality control demonstration project at the Olympic Green. Then the second part will take place in Paris, France, where European environmentalists and government officials will discuss with participants about the environmental and urban management systems in France and Europe, plus visits to municipal infrastructures such as water and waste treatment facilities and three dimensional transportation networks. This year's program aims at boosting decision-making capabilities with theoretical instructions and combined experiences in China and Europe and thus pushing forward the agenda for energy conservation and sustainable development.



### Discussion between Basel Convention Secretariat and Ministry of Environmental Protection of PRC and BCRC Held

On Dec. 15, Executive President of Tsinghua University CHEN Jining had a discussion with Senior Official of UNEP and Executive Secretary of Basel Convention Secretariat Katharina Kummer Peiry. Their discussion was mainly about the operational situation of the BCRC, and the research work on cyclic economy and e-waste treatment of Tsinghua University. Executive Secretary of BCRC and DESE prof. LI Jinhui also attended the discussion.



### DESE Hosted the 4th National Ph.D. Candidates Academic Conference on Environmental Discipline

From Oct. 25 to 27, the 4th National Ph.D. Candidates Academic Conference—New Theories and New Technologies in Environmental Science and Engineering, co-hosted by Tsinghua University and Chinese Society for Environmental Sciences, was held at DESE. Over 60 Ph.D. candidates from over 40 schools of Tsinghua University, Tongji University, Nankai University and Harbin Institute of Technology attended.

Academician QIAN Yi of Tsinghua University, Academician QU Jiuhui of Research Center for Eco-Environmental Sciences of Chinese Academy of Sciences, Vice President of Graduate

School of Tsinghua University GAO Hong, Dean YU Gang of DESE, and Vice Dean of ZUO Jiane DESE were invited to the conference. GAO Hong and YU Gang extended their welcome representing Tsinghua University and DESE, respectively.

In the conference, the attendant Ph.D. candidates made presentations and posters, whose thesis were collected in the proceedings. There were totally 14 outstanding reporters and 5 outstanding posters. ZUO Jiane granted the awards to the winners in the closing ceremony, and expressed his hopes to all the Ph.D. candidates.



The annual national Ph.D. Candidates Academic Conference has been successfully hosted for 4 years. This year's conference increased the reception of English papers, which made the final ratio of Chinese theses and English ones 1:1. It also arranged a new part for international discussion, enhancing the ability of academic communication in English for the Ph.D.s.

### DESE Hosted the Inter-department Knowledge Competition of University History

On Oct. 28, to greet the 100 year anniversary of Tsinghua University, DESE hosted the Inter-department Knowledge Competition of University History in SIEEB. This competition, with the theme of "Learn Tsinghua history, and inherit Tsinghua spirit", was established by Graduate Youth League Committee of DESE, with the support of Department of Material Science and Technology, Department of Automot-

ive Engineering, Department of Civil Engineering, Department of Electrical Engineering, Department of Computer Science and Technology, Department of Industrial Engineering, School of Life Sciences and School of Humanities and Social Sciences.

This competition, as one of the activity series to welcome the 100 year anniversary of Tsinghua, aimed to make gradu-



ate Youth league members be familiar with school history.

### The 1st Graduate Volunteer Work Forum of Beijing Colleges Environmental Alliance Held in DESE



On Nov. 27, the 1st Graduate Volunteer Work Forum of Beijing Colleges Environmental Alliance, organized by DESE of Tsinghua University and co-

assisted by Peking University, Renmin University of China, Beijing Normal University, China Agricultural University, and Beijing Forestry University, was held in DESE. Vice Secretary of the Youth League of Tsinghua University and the Secretary of the Graduate Youth League WANG Lei, and Vice Secretary of the Graduate Youth League LIN Zhenghang attended

the forum. Representatives from the six universities also attended the meeting.

This forum aimed at enhancing the exchange of volunteer work experience among universities, reallocating resources, exploiting green volunteer work area in environmental discipline, and promoting the development of college volunteer work.