

TSINGHUA IN REVIEW 2023



清華大學
Tsinghua University



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Wang Xiqin conducts meetings at WEF in Davos

Wang Xiqin, president of Tsinghua University, took part in a series of bilateral and multilateral talks with his counterparts from worldwide universities, foreign officials, academics, businesspeople and representatives of international organizations during his attendance at the 2023 annual meeting of the World Economic Forum in Davos from January 16 to 18.

When meeting with Indonesia's Luhut Binsar Pandjaitan on the morning of January 16, Wang expressed appreciation to Pandjaitan and the Indonesian government for supporting cooperation between Tsinghua University and partners in Indonesia and beyond.

Wang said as a vital component of Tsinghua University's global development strategy, the Tsinghua Southeast Asia Center in Indonesia should position its development toward the entire region, underscore the principles of innovation, entrepreneurship and sustainable development, become a global innovative ecological platform for

collaboration among universities, governments and enterprises, provide young Indonesian people with guidance and assistance in their innovation and entrepreneurship, and facilitate Indonesia's economic growth and industrial restructuring.

Panjaitan congratulated Tsinghua SEA on its opening and expressed hopes it will develop into a leading platform for the two countries to deepen their exchanges and cooperation, respond to common challenges with concerted efforts, strengthen the communication between young Indonesian and Chinese people, and advance pragmatic cooperation between experts from the two countries.

Tsinghua Vice-President Wang Hongwei and Nani Hendiarti, vice-minister of Indonesia's Coordinating Ministry for Maritime Affairs and Investment, signed an MOU on the building of a global entrepreneurship and innovation ecological platform. They also agreed to conduct in-depth and high-quality cooperation in education and scientific



Tsinghua President Wang Xiqin conducts a meeting with Yves Flückiger, president of the University of Geneva and members of the Geneva-Tsinghua Initiative Advisory Board on Sustainable Development on January 17.

research and transform the Tsinghua SEA in Indonesia under the framework of both the Belt and Road Initiative and the Bali Prosperity Roadmap for a New Era.

On the afternoon of January 16, Wang also met with Stephen Schwarzman, chairman and CEO of Blackstone Group, a global private equity firm. They reviewed fruitful achievements made over past years and exchanged views on the further development of the Schwarzman Scholars program.

Wang conveyed thanks to Schwarzman for his long-term support for the development of the program, noting it has become a demonstration project for educational cooperation between China and the US and achieved new progress despite multiple challenges. He

Tsinghua President Wang Xiqin and Indonesia's Coordinator for Cooperation with China and Coordinating Minister for Maritime Affairs and Investment Luhut Binsar Pandjaitan jointly observe the signing of an MOU on the building of a global entrepreneurship and innovation ecological platform on January 16.



President of Tsinghua University Wang Xiqin on January 17 meets with Martin Vetterli, president of the École Polytechnique Fédérale de Lausanne, and Jean-Paul Kneib, director of the EPFL's Astrophysics Laboratory.

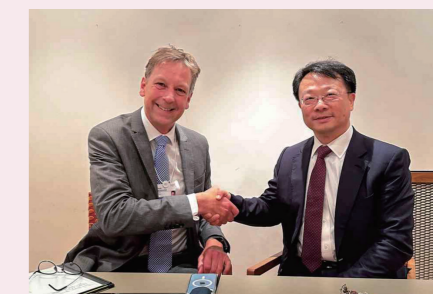
pledged Tsinghua will show full support to Schwarzman Scholars in its future development, and called on the US to take the long view and work with China to strengthen talent cultivation for the entire world.

Schwarzman said he was happy to see many people have successfully graduated as Schwarzman Scholars and shouldered their responsibilities in tackling global challenges, adding Blackstone will work with Tsinghua to support the program further.

At their meeting on January 17, Wang and Yves Flückiger, president of the University of Geneva, recalled

achievements in the promotion of the Geneva-Tsinghua Initiative over the past five years and held exchanges over cooperation models in the future.

Wang said the two universities have conducted pragmatic cooperation in many fields like talent cultivation, academic research, curricular programs in holidays and innovation since they launched the Geneva-Tsinghua Initiative five years ago, adding they should maintain their pre-pandemic cooperation momentum, foster more talent with a global vision and international competitiveness, and advance the implementation of the UN sustainability goals.

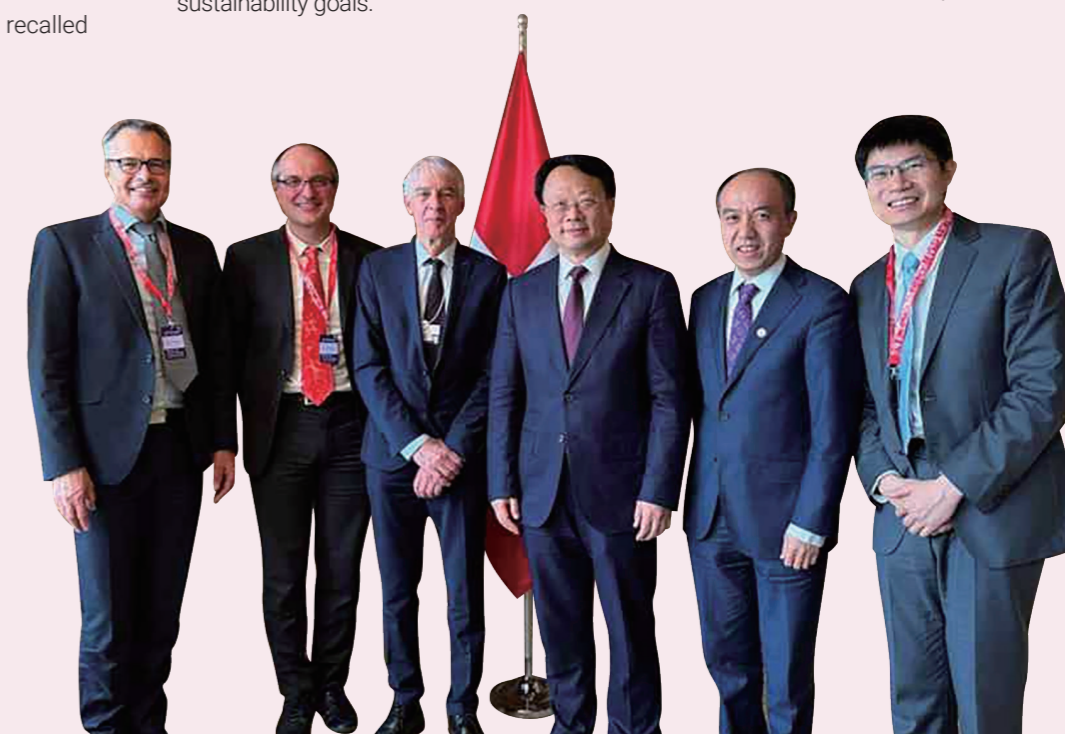


Tsinghua President Wang Xiqin, right, meets with Rio Tinto CEO Jakob Stausholm.

Those in attendance at the meeting also included Nikhil Seth, the UN assistant secretary-general and executive director at the UN Institute for Training and Research, and Cherie Nursalim, vice-chair of GITI Group and vice-president of United in Diversity (UID) Foundation, both of whom are members of the Geneva-Tsinghua Initiative Advisory Board on Sustainable Development.

On January 17, Wang also talked with Martin Vetterli, president of the École Polytechnique Fédérale de Lausanne (EPFL), and Jean-Paul Kneib, director of the EPFL's Astrophysics Laboratory, over the feasibility of the EPFL's participation in the building of the Multiplexed Survey Telescope (MUST).

Wang said the EPFL is an important partner of Tsinghua University and



Tsinghua President Wang Xiqin, third from right, meets with Martin Vetterli, president of the École Polytechnique Fédérale de Lausanne, Jean-Paul Kneib, director of the EPFL's Astrophysics Laboratory, and others on January 17.

called on the two universities to expand bilateral cooperation in talent cultivation, scientific research and people-to-people exchanges.

Vetterli noted MUST has become a demonstration program for scientific research between China and Switzerland and the EPFL is willing to further deepen its cooperation with Tsinghua University in astronomy and basic physics.

When attending the Global University Leaders Forum (GULF) on the afternoon of January 17, Wang joined counterparts from 17 top universities and scientific research institutions in 13 countries to share views on the topic "Global Cooperation in a Fractured Context". He spoke with them about the building of a

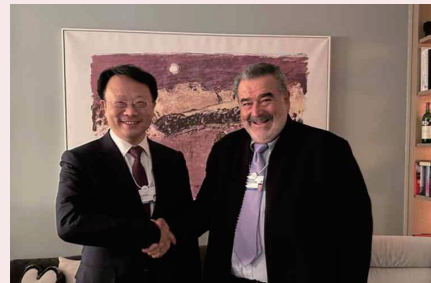


Tsinghua President Wang Xiqin attends a gathering with alumni of Tsinghua University in Switzerland.

multi-ethnic community with a shared future and the implementation of the "one country, two systems" principle.

During his stay in Davos, Wang also met with Victor Dzau, president of the US's National Academy of Medicine, CEO of Rio Tinto Jakob Stausholm, chairman of Chile's Luksic Group Andrónico Luksic and Deloitte China Vice-Chairman Wu Weijun, all of whom expressed willingness to strengthen their cooperation with Tsinghua and seek common development.

Wang also held a meeting with alumni of Tsinghua University in Switzerland. He urged them to promote the university's traditions, deepen mutual understanding and cooperation between China and the West and make contributions to the building of a community with a shared future for mankind.



Tsinghua President Wang Xiqin, left, meets with the chairman of Chile's Luksic Group Andrónico Luksic.



Tsinghua President Wang Xiqin attends a gathering with alumni of Tsinghua University in Switzerland.

Tsinghua launches "International Joint Mission on Climate Change and Carbon Neutrality"

Tsinghua University held the launch ceremony of the "International Joint Mission on Climate Change and Carbon Neutrality" on March 14, demonstrating its commitment to environmental protection. During the event, Tsinghua inaugurated a green-style initiative it sponsored together with 11 well-known multinational corporations, including Hitachi, Toyota, MHI, BP, Rio Tinto, Volkswagen, Microsoft, IHI, Daikin, Apple, and Saudi Aramco. Tu Ruihe, head of the UN Environment Programme (UNEP) China Office, and Qiu Yong, chairman of Tsinghua University Council, attended the event. The ceremony was hosted by Liu Yiqun, dean of Tsinghua's Research & Development Affairs Office.

In his speech on "Cooperate to Address Climate Change and Build a Better Homeland for Mankind", Qiu pointed out that climate change and carbon neutrality are major issues related to the fate of the earth and human beings, and are important for everyone. "Facing a serious climate crisis, Tsinghua has promoted the initiative of the International Joint Mission on Climate Change and Carbon Neutrality. Today's launching ceremony is a positive action to actively respond to it," said Qiu. He said that Tsinghua is willing to work closely with the council members, member units, "observer" enterprises and local governments to jointly promote this cause that concerns the future of mankind. He looks forward to more partners joining the Joint Mission in the future.



Qiu emphasized that a world-class university should have a world-class mission, play a leading role in addressing climate change, and make contributions with hard-core technologies. "Let us take action to prove our firm belief in the bright future of mankind, promote international cooperation on climate change and carbon neutrality, and continue to contribute to the construction of a beautiful homeland for mankind," said Qiu.





Tu and Qiu awarded the "Council Member Cup" for 12 co-initiators of the Joint Mission.



Tu said in his speech that the earth is the only home for human beings. The basis for progress and success in global environmental governance is to adhere to multilateralism and the spirit of international cooperation. Climate change affects the entire planet, and is related to every country, every region, every industry, every enterprise, every family, and every individual. Addressing climate change and reducing greenhouse gas emissions requires action from all sides. The Joint Mission is a complete embodiment of the two keywords "cooperation" and "action". He called on all parties to take urgent and more effective action to implement the goals that have already been achieved

and looked forward to fruitful results from the initiative.

The international academic community paid great attention to the Joint Mission. Toshiya Ueki, executive vice president of Tohoku University, and Nigel Brandon, dean of the Faculty of Engineering, Imperial College London, congratulated the ceremony via video speeches, saying they look forward to taking action with international partners in the fight against climate change.

Representatives of council members recorded videos to express their affirmation of the value of the Joint Mission and anticipation of strengthening dissemination of green ideas, cultivation of carbon-neutral talents, and innovation of technology through the Joint Mission so as to provide practical solutions to the challenge of global climate change and to realize the carbon-neutral vision of the international community.



The International Joint Mission on Climate Change and Carbon Neutrality Proposal was released during the ceremony. It has five main joint elements: jointly publicizing the concept of carbon neutrality, jointly cultivating experts in the field of carbon neutrality, jointly taking a leading role in carbon-neutral technological innovations, jointly carrying out integrative demonstrations of carbon neutrality practice, and jointly promoting industry transition towards carbon neutrality. It calls on different entities to join forces to provide comprehensive and effective solutions for a wide range of issues such as energy saving and emission reduction, technological innovation, and industrial transformation, and to jointly promote the realization of carbon neutrality.

At the ceremony, the first 10 innovative scientific research funding projects implemented by the Joint Mission were officially released. Twelve experts and scholars in relevant fields were invited to form an expert committee to provide consulting advice on research and major academic activities, and to supervise and guide project implementation. Tsinghua Vice President Zeng Rong and

He Kebin, academican of the Chinese Academy of Engineering and dean of Institute for Carbon Neutrality, Tsinghua University, as representatives of all the governing units of the Joint Mission presented appointment letters to the members of the expert committee. In the keynote session, Ouyang Minggao, an academican of the Chinese Academy of Sciences and professor of Tsinghua's School of Vehicle and Mobility, Zhang Xian, head of the Division of Social Services and Regional Development of the Administrative Center of China's

Agenda 21, and Shi Mengying, a PhD candidate of Tsinghua's Department of Earth System Science, gave reports. The Joint Mission was initiated by Tsinghua and 11 top enterprises around the world. All parties are committed to responding jointly to climate change, sharing the mission, contributing wisdom, acting together, sharing results, and striving to make new and beneficial contributions to achieving the goal of carbon neutrality and promoting global sustainable development.





Youth Global Communication Forum held at Tsinghua University



The Youth Global Communication Forum, held on March 31 at Tsinghua University in Beijing, brought together government officials, scholars, university faculties, students, and media professionals. Participants addressed the role of Generation Z in international communication and public diplomacy.

The forum focused on empowering Gen Zers in global communication and aimed to discuss strategies for building a more interconnected and prosperous international community by harnessing young people's potential.

The 20th CPC National Congress has made strategic arrangements for strengthening the construction of international communication capabilities, said Jia Peng, deputy director general of the Department of International Cooperation and



Exchanges at the Ministry of Education. He proposed that universities integrate international communication into their curricula and encourage students to pursue practical opportunities and real-world research issues.

He also emphasized universities should implement the spirit of the 20th CPC National Congress and expressed hope for more original research in international communication by universities and greater efforts by scholars to introduce China's modernization path to the rest of the world.

To improve the efficiency of global communication, it's essential to synergize efforts among all stakeholders, said Zhang Dong, vice inspector of the International Communication Bureau of the Publicity Department of the CPC Central Committee.



"Universities, in particular, have a role to play in understanding the characteristics of Gen Z, constructing narrative systems and optimizing communication strategies targeting this particular age group to tell China stories," said Zhang.

Xiang Botao, deputy secretary of the Communist Party of China Tsinghua University Committee, highlighted in his opening remarks that Gen Zers have become significant participants and influencers in the global public opinion landscape.

He emphasized the importance of universities providing platforms for showcasing Gen Z's talents on the world stage, amplifying their voices, and helping them share Chinese stories globally.



During the event, Zeng Qingkai, editor-in-chief of China Daily 21st Century English Education Media, and Sun Ming, deputy director of the Academy of Contemporary China and World Studies, delivered keynote speeches, offering insights on the changing landscape of international communication and the pivotal role that Gen Z plays in representing China globally.

Representatives from Tianjin University, Xi'an Jiaotong University, University of International Business and Economics, Peking University, and Tsinghua University introduced innovative measures and inspiring thoughts related to the international communication work of Gen Zers.

The forum included a youth dialogue featuring students, influencers and journalists from Belarus, India, Russia, the United States, and China, who shared their unique perspectives on promoting understanding among nations.



"I actually saw China's policies being implemented not just in writing but in practice," said Kate Kaligaeva, a graduate student from Belarus at Peking University at the dialogue, sharing her experience of collaborating with Chinese media to tell stories about China's poverty alleviation, rural revitalization, and green development. "I saw infrastructure being built from scratch in the countryside, improving villagers' material and cultural lives."



Thomas J. Scheuer, a Tsinghua University undergraduate student from the U.S. and table tennis pro, expressed his desire to introduce more foreigners to China through table tennis. Scheuer starred in the Chinese movie "Ping Pong: The Triumph," released in January. He emphasized that it was essential to tell China's story passionately and evoke the emotions and strength behind the story.



The forum concluded with the release of a report on empowering Gen Zers in international communication by Shi Anbin, a professor at the School of Journalism and Communication at Tsinghua University.

Professor Shi emphasized the importance of providing young people with an open, diverse, inclusive, and innovative education and training environment to nurture their cross-cultural competence, communication skills, content production abilities, and potential to impact society.

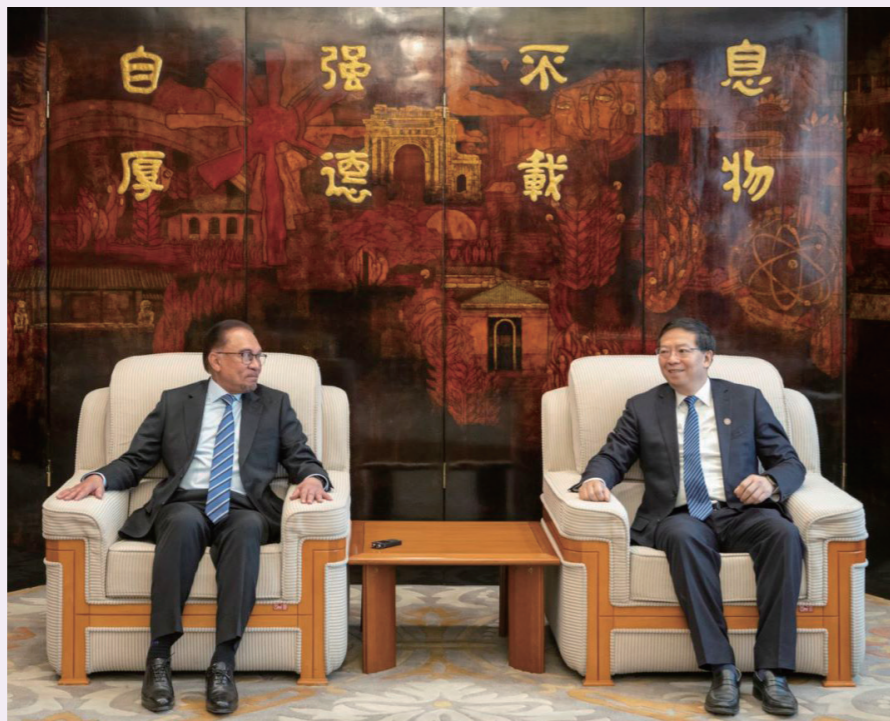


Malaysian PM delivers speech at Tsinghua University

Malaysia's Prime Minister Datuk Seri Anwar Ibrahim visited Tsinghua University on March 31. He was warmly welcomed by Qiu Yong, secretary of the CPC Tsinghua University Committee and chairman of Tsinghua University Council. Anwar addressed the Tsinghua audience with a keynote speech themed "The Asian Century: Peace and Prosperity Connecting the Continent and Beyond".

Qiu, on behalf of Tsinghua University, warmly welcomed Anwar and provided a comprehensive overview of Tsinghua's history and development, discipline construction, talent cultivation philosophy, global strategies, as well as the progress made in innovative international cooperation initiatives such as the Tsinghua Southeast Asia Center and Asian Universities Alliance. Qiu also reflected on the fruitful cooperation between Tsinghua University and Malaysia, emphasizing the university's strong commitment to international collaboration and its aspirations to attract more outstanding young talents and top scholars from around the world. Additionally, he expressed Tsinghua's desire to further deepen cooperation and exchanges with Malaysian universities and research institutions in various fields.

Anwar expressed his recognition of Tsinghua University's distinguished reputation of excellence in the world. Given Malaysia's strong emphasis on university education, he expressed a keen interest in further promoting cooperation between Malaysian universities, research institutions, and Tsinghua University in areas such as education, technological innovation, and other related fields.



Qiu Yong (R), chairman of Tsinghua University Council, holds a meeting with Malaysia's Prime Minister Datuk Seri Anwar Ibrahim.

Zeng Rong and Wang Hongwei, vice-presidents of Tsinghua University, together with Li Jinliang, dean of Tsinghua's Office of International Affairs, Kehkooi Kee, a Malaysian professor at Tsinghua's School of Medicine, and Chinese Ambassador to Malaysia Ouyang Yujing attended the meeting.

Following the meeting, Anwar delivered a keynote speech hosted by Wang.

During his opening remarks, Qiu highlighted that Anwar is the first foreign head of government to visit Tsinghua University since the COVID-19 pandemic. He also emphasized that this year marks the 10th anniversary of the establishment of the China-

Malaysia comprehensive strategic partnership. Malaysia is one of the first countries to respond to "Belt and Road Initiative" and has a long history of keeping frequent cultural and people-to-people exchanges with China.

Qiu Yong also said that Tsinghua University has maintained long-term friendship with Malaysian universities and institutions. The University of Malaya, the Prime Minister's Alma Mater, is one of the founding members of the Asian Universities Alliance initiated by Tsinghua University, and has been actively participating in various activities. A large number of outstanding Malaysian students studying in Tsinghua are the envoy for friendship between our two countries.



Qiu Yong, secretary of the CPC Tsinghua University Committee and chairman of Tsinghua University Council, makes a welcome speech.

Qiu said that Tsinghua formulated and implemented the Global Strategy 2030, in which Tsinghua put great emphasis on global engagement. By actively promoting the plan for greater connectivity with neighboring countries, the university will enhance exchanges and cooperation with our partners in Malaysia in areas of education, research, personnel training, innovation and so on. Moreover, Tsinghua will actively build joint programs that accelerate exchanges and mutual learning among the young generations.



Malaysia's Prime Minister Datuk Seri Anwar Ibrahim speaks at Tsinghua University.

Qiu believes that with the support of Anwar, Tsinghua University, together with our Malaysian partners, will continue to promote educational collaborations, consolidate the foundation of cultural exchanges, facilitate the smooth advancement of the Belt and Road Initiative, and make further contribution to building a community with a shared future for mankind.

In his speech, Anwar praised Tsinghua as one of the most prestigious higher education institutes in the world in research in science and technology,

as well as its programs in humanities, environment, climate, public administration, and civilization.

"I am proud as an Asian and as a friend of China to believe in good neighborhood, to believe in the Asian century, to believe in working together with various initiatives such as the Belt and Road Initiative, and also beyond just economic fundamentals but also civilization to associate it with a university that has proven that we in China and in Asia can excel if we are focused on research and discipline in the academic fields," said Anwar.

Anwar pointed out that China's road to democracy and development demonstrated that while it prioritizes economic development, it also places significant emphasis on education, healthcare, infrastructure, and culture. He also noted that it is truly remarkable that China has made historic strides in poverty alleviation, a feat that has garnered worldwide attention. In addition, he praised China's efforts in tackling climate change. "China has taken up these bold measures, far better than many countries in Europe," said Anwar.





Wang Hongwei, vice-president of Tsinghua University, hosts the event.

He also stressed the historical and cultural ties between Malaysia and China. He stated that collaboration with Tsinghua and all the universities of Malaysia will be further strengthened and enhanced.

Following the speech, Anwar fielded several questions from Tsinghua students. The questions centered on topics such as the future of education in

Malaysia, the Malaysian government's efforts to strengthen cultural and academic exchanges with China, and ways in which young people from both nations can contribute to future exchanges.

During the visit, Anwar also had a friendly exchange with Malaysian student representatives studying in Tsinghua.



A Tsinghua student poses questions to Malaysia's Prime Minister Datuk Seri Anwar Ibrahim.



Malaysia's Prime Minister Datuk Seri Anwar Ibrahim meets Malaysian students studying in Tsinghua.

Anwar assumed office as the 10th Prime Minister of Malaysia in 2022.

Tsinghua University has established a strong partnership with Malaysian universities and research institutions, having previously signed cooperation memorandums and student exchange agreements with the University of Malaya, as well as a cooperation memorandum with Tunku Abdul Rahman University College.



Tsinghua establishes National Graduate College for Engineers



Committee of Tsinghua University. Jiang Peixue, vice-president of Tsinghua and dean of the National Graduate College for Engineers, chaired the assembly.

Huai Jinpeng, Zhang Yuzhuo, Yu Jianfeng, Yuan Jie, Zou Lei, Qiu Yong, Wang Xiqin, and Jiang Peixue unveiled the newly established National Graduate College for Engineers at the meeting.

The creation of the National Graduate College for Engineers is Tsinghua's bid to implement the guiding principles of the 20th CPC National Congress and General Secretary Xi Jinping's series of important speeches and instructions on higher education and talent work. It also serves the country's major strategic needs to better combine science and technology as the primary productive force, talent as the primary resource, and innovation as the primary driver of growth. The establishment of the college aims to promote the deep integration of enterprises with vocational schools and universities, cultivate high-level engineering talents with solid and broad basic theories, systematic and in-depth expertise, ability to solve complex engineering technical problems and carry out engineering and technological innovation, as well as engineering ethics and broad international vision.

Qiu said that General Secretary Xi Jinping has regarded outstanding engineers as an important part of the country's four types of strategic talents at the central conference on talent-related work. The establishment of the college is a major measure for the university to study and implement the guiding principles of the 20th CPC National Congress and the spirit of General Secretary Xi Jinping's important speech, and to promote development through hard work and responsibility during the period of thematic education campaign on studying and implementing Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era. Qiu said he hopes that the college will carry forward the fine traditions of Tsinghua's engineering education, innovate the education model, explore and form a world-class engineer training system with Chinese characteristics, cultivate a large number of top-notch innovative talents, and make new and greater contributions in accelerating to build a leading country in education, science and technology, and talent.

Tsinghua University held the inaugural meeting of the National Graduate College for Engineers on April 27.

Huai Jinpeng, secretary of the CPC Leading Group of the Ministry of Education and minister of Education, and Zhang Yuzhuo, Party secretary of the CPC Committee of the State-owned Assets Supervision and Administration Commission of the State Council (SASAC) and chairman of SASAC, delivered speeches at the meeting. Yu Jianfeng, secretary of the Leading Party Group of China National Nuclear Corporation (CNNC) and chairman of CNNC; Yuan Jie, secretary of the Leading Party Group of China Aerospace Science and Industry Corporation Limited (CASIC) and chairman of CASIC; and Zou Lei, secretary of the Party Leadership Group of China Datang Corporation Limited (CDT) and chairman of CDT delivered speeches as representatives of the governing units of the National Graduate College for Engineers. Qiu Yong, secretary of the CPC Tsinghua University Committee, also delivered remarks. Tsinghua President Wang Xiqin delivered a welcoming speech. In attendance were: Yang Bin, vice-president of Tsinghua; Guo Yong, deputy secretary of the CPC Tsinghua University Committee; and, Nie Jianguo, director of the Academic





Yu said that CNNC will work together with Tsinghua to create the benchmark projects and role model projects in implementing the workforce development strategy, and provide strong talent support for the development and construction of the country's nuclear industry.



Zou said that CDT will comprehensively deepen the strategic cooperation with Tsinghua, jointly build technology platforms and cultivate scientific and technological talents, and continue to make greater contributions as a China's State-owned enterprise for the country to move faster to build world hubs for talent and innovation.



Nie, as a representative of the Tsinghua faculty, said in his speech that teachers should combine their engineering technology research to cultivate excellent engineering talents and contribute to the expansion of a large number of outstanding engineers that the country urgently needs.



Yuan said that CASIC will cooperate sincerely with Tsinghua to carry out high-quality special pilot work for the reform of master's and doctoral students training in engineering, cultivate talent for the Party and the country, and jointly explore a new way to cultivate outstanding world-class engineers with Chinese characteristics.



During the meeting, Zhou Jie, dean of the Graduate School of Tsinghua University and executive dean of the National Graduate College for Engineers, reported on the work of the college.



Liu Gongyan, a 2022 master's student of the college, talked about his decision to join the special training for master's and doctoral talents in engineering. Liu also said that he would work hard with his classmates to grow into a new generation that is capable of shouldering the responsibility of national rejuvenation.

Representatives of 33 governing units, representatives of the graduate schools and the National Graduate College for Engineers of 11 universities including Peking University, heads of Tsinghua's functional departments, schools, and state key laboratories also attended the meeting.

Tsinghua's largest indoor sports facility unveiled

The inauguration ceremony of the North Gymnasium of Tsinghua University was held in Tsinghua on April 29. Qiu Yong, secretary of the CPC Tsinghua University Committee, Wang Xiqin, president of Tsinghua University, Yang Bin, vice president of Tsinghua University, Guo Yong and Xu Qinghong, deputy secretaries of the CPC Tsinghua University Committee, Shi Zongkai, vice chairperson of the University

Council and director of the University Sports Committee, and Wang Chun, representative of the Construction Unit and deputy secretary of the Party Committee of China Construction First Group Construction and Development Co., Ltd. attended the ceremony.

Qiu Yong said that Tsinghua University has always attached great importance to sports education and has always



regarded sports as an important link in talent training. He said that the important role of physical education in the University is to help students enjoy sports, enhance physical fitness, cultivate a sound personality, and exercise their willpower. It is hoped that all teachers and students will make full use of the North Gymnasium and other sports facilities, inherit and carry forward the fine traditions of Tsinghua sports, develop good exercise habits and "work healthily for 50 years for the country" with practical actions.



During the ceremony, Wang Xiqin presented a souvenir to Wang Chun on behalf of the University.





The North Gymnasium of Tsinghua University integrates tennis courts, table tennis halls, basketball and volleyball halls, fitness centers, physical training and rehabilitation centers, simulated skiing halls, ice sports centers, fencing halls, squash halls, multi-functional exercise rooms, and climbing walls. It has

two floors above ground and two floors underground, with a total indoor area of 38,280 square meters, equivalent to six standard football fields. It is the sum of all indoor sports venues on campus.

The North Gymnasium will also provide services such as physical fitness training, rehabilitation training, and daily physical function testing. It can provide personalized exercise prescriptions for different individuals, and in the future will host more cultural and sports activities.





Tsinghua celebrates 112th anniversary

Tsinghua University celebrated its 112th anniversary on April 30, hosting alumni from around the world for a weekend of reunions and many festivities.

The event featured various exhibitions, performances, and activities organized by different departments of the University. They included concerts, track and field events, and the technological innovation exhibition held in honor of the returning alumni.

Various exhibitions of students' extracurricular academic and technological works, oracle bone treasures displayed in the library, and photographs by faculty members and alumni also awaited them.

The celebrations also included an orchestral concert, ballroom dance, Peking Opera pieces, keyboard music, and folk art performances by Tsinghua students.



Additionally, the 66th "Ma Yuehan Cup" Students Track and Field Sports Meeting took place as part of the anniversary event.

Throughout the weekend, Tsinghua's Specimen Museum, Schwarzman College, Laboratories, and Teaching Buildings were open to the public. The University welcomed all alumni back to their alma mater.



TSINGHUA CELEBRATES
112TH ANNIVERSARY

The mobile machining robot developed by Tsinghua revolutionizes high-efficiency and high-quality manufacturing of Tianzhou-6

The Tianzhou-6 cargo spacecraft successfully docked at the rear port of Tianhe core module at 5:16 on May 11th, then transformed to a combined flight phase. This is another magnificent leap forward for China's aerospace industry.

Tianzhou-6 has a cargo-carrying capacity of 7.4 tons, making it the world's largest cargo spacecraft in active service. The cabin of Tianzhou-6 has the characteristic of large dimensions and local high accuracy, which puts forward high requirement for the capacity of machining equipment.

Professor Xin-Jun Liu's Laboratory from the Department of Mechanical Engineering at Tsinghua University has been inspired by the working behaviors

of creatures. They have proposed a novel in-situ machining mode of "wide-range positioning + local high-accuracy milling" for large-scale complex structures. On the basis, a five-axis parallel machining functional module was invented, and a mobile hybrid machining robot was designed and developed.

In November 2021, the developed technology was applied to Tianzhou-6 cargo spacecraft. The final assembly accuracy of 0.1 mm was achieved without manual repair, and a remarkable efficiency improvement was achieved. In this way, a robot with 10-ton level weight is successfully applied to replace the conventional machining method of "machine tool with 100-ton level weight + manual repair". The

developed robot has become the main equipment for machining of Tianzhou-series cargo spacecraft.

China Academy of Space Technology said Tianzhou-6 is the first cargo spacecraft in China that uses industrial robots to complete final machining. By utilizing the mobile hybrid robot, the spacecraft's cabin can be machined on-site, eliminating the frequent transportation between different workshops. This significantly enhances the production efficiency and manufacturing intelligence.



In-situ machining of Tianzhou-6' conical segment

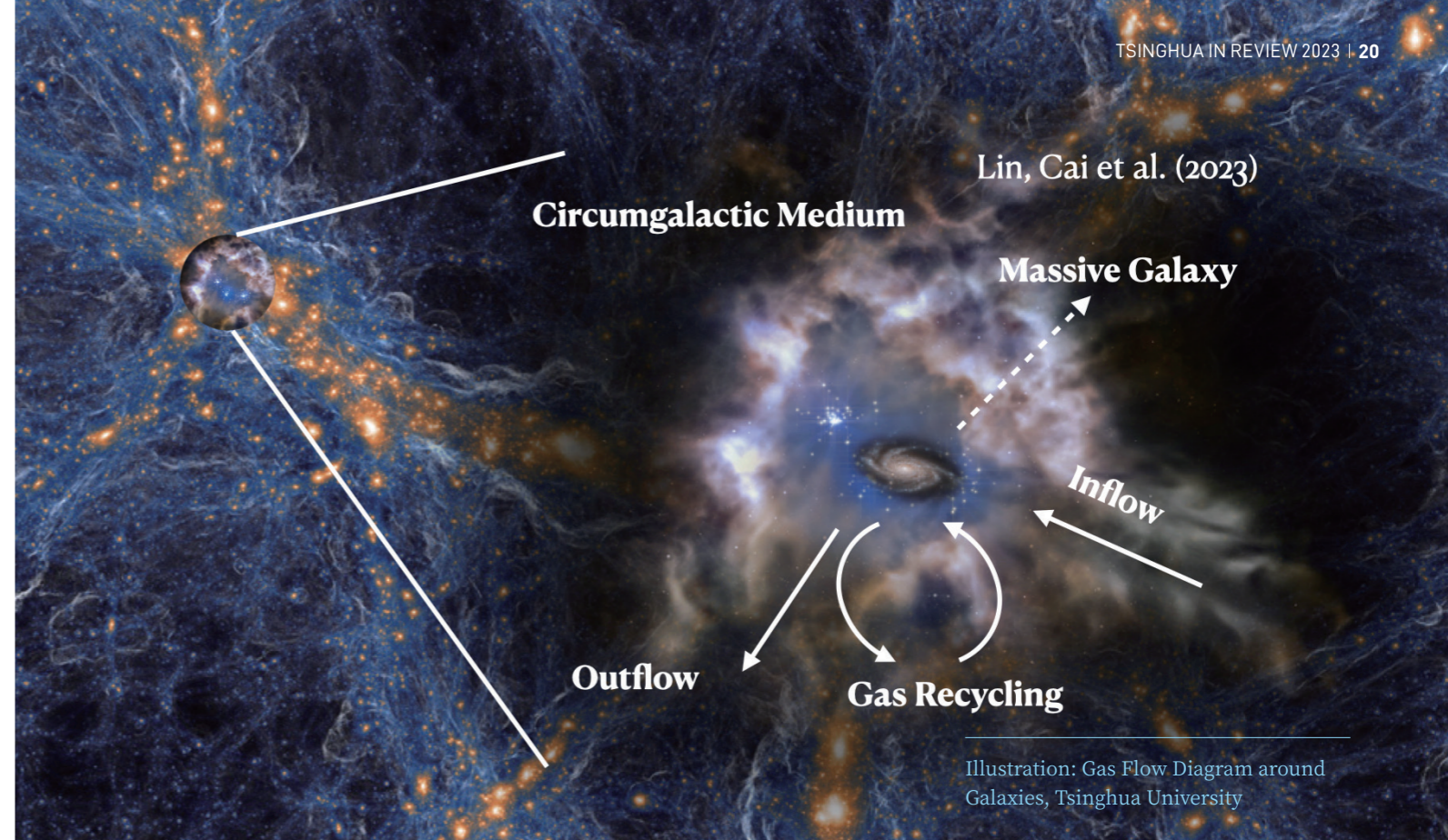


Illustration: Gas Flow Diagram around Galaxies, Tsinghua University

Direct imaging on the galaxy gas recycling 11 billion years ago

A Tsinghua-led team has generated the first complete picture to show how a massive galaxy feeds on its own expelled gases to create new stars.

Using the most powerful optical telescopes on the ground and in space, researchers from China, the United States, Europe, and Japan observed a huge nebula known as MAMMOTH-1, and found that one of its galaxies was drawing in "inspiring streams" of surrounding gas, as if drinking through spiral-shaped straws.

The team reported in the journal *Science* on Friday that materials with a mass of up to 800 suns – all of which were blown out of the galaxy through supernova explosions, solar winds and other violent activities – were sucked back into the galaxy every year.

Lead author Prof. Zheng Cai, from Tsinghua University in Beijing, said much more gas was being pulled in than used to create stars, suggesting star formation could continue long after.

"We estimated the galaxy's star formation rate to be around 80 solar masses a year, so the recycled gas should provide enough materials to bake all the new stars over a long, long time," Prof. Cai said.

Astronomer Bjorn Emonts, from the National Radio Astronomy Observatory in Virginia, said the findings confirmed that the far-off galaxy, whose light takes 11 billion years to reach Earth, did not grow in isolation but evolved with an enormous gas reservoir in which it was embedded.

Emonts, who was not involved in the study, said it was more challenging to detect gas flowing into a galaxy than flowing out.

"The signal emitted by inflowing gas is very weak," he said.

He also said it was particularly hard to detect the presence of elements heavier than hydrogen and helium, known as "metals", because of their trace amounts.

Usually, astronomers obtain these faint signals by looking at gas that blocks part of the light from distant background sources. But this only gives information about the gas at the exact location relative to one point, and therefore gives a very incomplete picture.

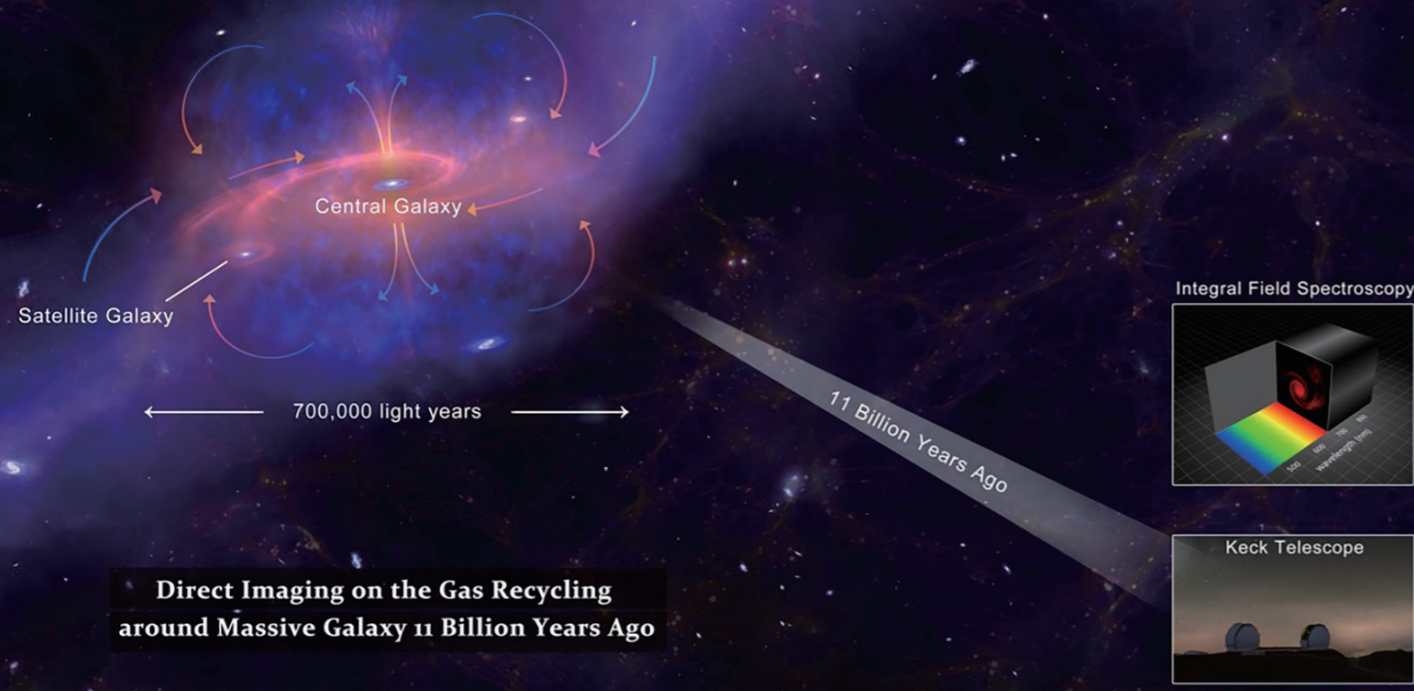


Illustration: Department of Astronomy, Tsinghua University

In the new study, Prof. Cai and his colleagues used state-of-the-art instruments on giant telescopes in Hawaii and low-Earth orbit to directly obtain the elusive emissions of MAMMOTH-1, which allowed them to build an accurate, 3D map of the gas for the first time.

“We were able to obtain the image and spectrum of any location we wanted to measure, and the spectra told us about the composition and kinematics of the gas at those locations,” Prof. Cai said.

The team had two surprising findings. While simulations had shown that the gas should mainly consist of hydrogen left over from the big bang, they discovered an unexpectedly high amount of carbon and other “metal” elements.

“It’s quite shocking to see such metallicity – almost as high as our sun’s – in space outside a galaxy in the early universe,” he said, adding that the metals helped cool the gas so stars

could eventually be born at a very low temperature.

The researchers also found that simulations based on their data indicated an enormous amount of the metal-rich gas was flowing into the galaxy rather than out of it as they had expected.

“Our analysis showed that a few satellite galaxies moving around the central galaxy might have played a part, contributing angular momentum to facilitate gas recycling,” Prof. Cai said.

Emonts said the findings supported the predictions of evolutionary processes from computer simulations, but there were still gaps in understanding of galaxies as the ultimate cosmic recyclers.

For instance, the metal-rich gas detected in this study was above 10,000 Kelvin, way too hot for star formation which only happens under 100K. More direct observations were needed to see if cold molecular gas could form before it was

deposited back onto the galaxy, he said.

It was also important to investigate if such a recycling mechanism worked for other distant, less massive galaxies.

Prof. Cai said his team at Tsinghua University was leading an effort to raise funding and build a powerful telescope with world-leading ability in spectral survey, which would help scientists detect gas surrounding other galaxies.

The US\$200 million, 6.5 metre-diameter telescope, known as MUST, will be located at the Lenghu astronomical observation site in western China’s Gobi Desert and is expected to be completed by 2029. About half of the funding has been raised so far, according to Prof. Cai.

Science paper link: <https://www.science.org/doi/10.1126/science.abj9192>

Tsinghua's Storage Research Group takes honors on World Top 500 List

The Pengcheng Cloudbrain-II storage system, developed jointly by the Department of Computer Science and Technology of Tsinghua University and Pengcheng Laboratory, has secured the top spot on the latest IO500 world ranking announced on May 24 at ISC’23.

The storage system is based on the Pengcheng Cloudbrain-II infrastructure and fully powered by SuperFS, a high-performance file system independently developed by the Storage Research Group of the Department of Computer Science and Technology. It set a new world record in the full-node test with an overall score of over 210,000 points, surpassing the current second place by

over 70,000 points. The key contributors to the SuperFS project are the faculty members including Professor Youyou Lu and Professor Jiwu Shu, and students in the Storage Research Group including Shaoxun Zeng, Hao Guo, and Yitian Yang. This project received guidance and

great support from Academician Weimin Zheng and Professor Wenguang Chen, as well as the Pengcheng Laboratory.

Storage systems in high-performance computing are as significant as their computational counterparts. IO500, serving as a global benchmark of storage system performance, is one of the most influential rankings in the field of high-performance computing. Since November 2017, the IO500 lists are announced annually at the SC Conference in the US and the ISC Conference in Europe, both of which are premier conferences on high-performance computing.



2023 Carbon Neutrality & Design Innovation Forum held

The “2023 Carbon Neutrality and Design Innovation Forum” co-hosted by Tsinghua University and Politecnico di Milano (Polimi), co-sponsored by China-Italy Design Innovation Hub, Climate Change and Sustainable Development Institute and Future Laboratory of Tsinghua University, was held on May 26 in Milan. Yang Bin, Vice President of Tsinghua University; Giuliano Noci, Vice-Rector for China, Politecnico di Milano; Corrado Clini, Former Minister, the Italian Ministry for the Environment, Land and Sea; Yao Liangjun, Science and Education Counselor, Consulate-General of the People’s Republic of China in Milano; Arianna Censi, Mobility Councilor, Municipality of Milan; Maria Rosa Azzolina, President of the

Italian Institute of Chinese, and other distinguished guests attended the forum. More than 100 students and teachers from Tsinghua University and Polimi participated in the event.

Yang Bin said that in the context of the current global crisis, innovation cooperation is the key to achieving a sustainable future. China and Italy have a long history of cooperation, and it is of landmark strategic significance for the two countries to strengthen cooperation in the field of addressing climate change. The two countries share a common vision for a sustainable future and have made unremitting efforts to set an example for the significance of global cooperation in



addressing climate change by working together, leveraging strengths, and exploring groundbreaking research and innovative solutions. Yang emphasized that to address climate change calls for unwavering commitment, dedication and global solidarity, with the hope that Politecnico di Milano and Tsinghua University will continue to build a bridge for cooperation, foster a partnership that transcends national boundaries and ideologies, open up new paths, expand new boundaries, and create a sustainable future for generations.



Giuliano Noci said that through determined efforts made by Tsinghua University and Politecnico di Milano, the development of the cooperation platform of the two sides has been consistently promoted. The two sides have made their visions increasingly clear and succeeded in shaping the past. He believed that the initiative on carbon neutrality and the activities with a variety of themes conducted on the platform have played an inspiring role, and expressed the hope that the two sides will continue to exert creativity with persistent and dedicated efforts.



Yao Liangjun said both China and Italy are ancient civilizations with a long history of bilateral exchanges, which have strongly promoted the exchanges and integration of Eastern and Western civilizations, as well as the continuous progress of all mankind. Yao emphasized that China-Italy cooperation in the field of environment and sustainable development has been recognized in the industries of the two countries and aroused attention from the international community, becoming a model of bilateral cooperation in addressing climate change. The Chinese Consulate General in Milan will continue to support bilateral cooperation and exchanges in the fields of technology, education and culture, and expect more fruitful results.



Corrado Colini said the construction of building design models of the sustainable ecosystems demonstrates the power that environmental cooperation drives economic development and international peace. Both China and Europe have actively explored the energy performance of green buildings and the fields of sustainable development, and strived to examine the future of the economy within the framework of eco-design. He also stressed the significance of addressing the challenge of decarbonization for global governance.



Arianna Censi delivered a keynote speech on Milan's Sustainable Urban Mobility Plan, highlighting transport ecosystems as one of the key ways to transform urban development. Milan aims to protect pedestrians' rights to bicycles and other new modes of transport by reducing the number of cars and improving the public transport system, innovating the development of sustainable urban mobility and promoting the change in ways of citizens' acts by creating a transport service platform.



Xu Yingqing, Director of the Future Laboratory of Tsinghua University, delivered a keynote speech focusing on olfactory computing and its application in environmental protection. Xu explored the application scenarios and theoretical prospects of odor calculation, analysis and collection. Upon the analysis of the basis and progress of monitoring technologies towards air pollution, vehicle exhaust and foul-smelling pollutants, Xu said that the monitoring of greenhouse gases is crucial to understanding and addressing climate change, and more attention and research are needed.



Rajendra Singh Adhikari, Professor of Politecnico di Milano, delivered a keynote speech on sustainable architecture. At the level of current technology, the challenge of zero-carbon architecture does not originate from the design of new buildings, but how to make intervention in terms of urban building stock. Within the framework of addressing climate change, energy consumption needs to be minimized for sustainable buildings. He gave an introduction to relevant intelligent technology systems and relevant case studies.

Wang Xuan, Responsible Person ESG & SD of Lenovo Group, Secretary General of ESG & Social Value Committee of Lenovo China Site, introduced Lenovo's efforts in sustainable development. As the first high-tech manufacturing company in China to pass the net-zero target validated by the Science Based Targets Initiative (SBTi), Lenovo is committed to achieving net-zero greenhouse gas emissions by 2050,

green manufacturing, green supply chain, green solutions such as carbon-neutral buildings, ESG digital capability, and "new IT" to help biodiversity conservation. She said that Lenovo will continue to promote low-carbon transformation through the development of green innovative technologies and strive to mitigate climate change and achieve carbon neutrality.

EssilorLuxottica's vast global distribution network; risk assessment on climate resilience has been strengthened; investment has been increased in sustainable design; and, all staff are mobilized to update their work on sustainability through digital platforms.



and regards ESG as the strategic focus and core competitiveness of the company's global development layout. Wang shared some of Lenovo's practices and innovations in technology-driven carbon neutrality from the perspectives of green technologies such as warm water-cooling technology,



Elena Dimichino, Head of Corporate Social Responsibility, EssilorLuxottica Group, introduced the company's first sustainability plan covering various aspects including sustainability, environment and marketing. Dimichino added that carbon footprint has been actively reduced through



Zhang Jian, Deputy Dean, Institute of Climate Change and Sustainable Development, moderated the forum. Zhang said that the forum provides new knowledge for all parties to jointly promote reforms, facilitates sustainable design practices, and contributes to the future of carbon neutrality.



Contributed by Institute of Climate Change and Sustainable Development, Tsinghua University

第十一届世界和平论坛：求共识、促合作、稳秩序、护和平

The 11th World Peace Forum Stabilizing an Unstable World through Consensus and Cooperation

主办单位：清华大学
协办单位：中国人民对外友好协会
2023年7月2-3日 中国北京

Tsinghua University
Chinese People's Institute of Foreign Affairs
July 2-3, 2023 Beijing China



11th World Peace Forum opens in Beijing

The 11th World Peace Forum, organized by Tsinghua University and co-organized by the Chinese People's Institute of Foreign Affairs, opened in Beijing on Sunday, July 2, 2023. China's Vice President Han Zheng delivered a keynote speech at the opening ceremony.

The forum took on the theme of "Stabilizing an Unstable World through Consensus and Cooperation." Liu Jianchao, minister of the International Department of the Central Committee of the Communist Party of China (CPC), delivered a speech at the lunch meeting.

Dilma Vana Rousseff, president of the New Development Bank (NDB) and former president of Brazil, Igor Ivanov, president of Russian International Affairs Council and former secretary of the

Security Council of Russian Federation, and Hassan Wirajuda, former minister for Foreign Affairs of the Republic of Indonesia, as well as more than 400 attendees including diplomatic envoys from various countries in China, experts, and scholars, participated in the forum. Wang Chao, president of the Chinese People's Institute of Foreign Affairs, chaired the first plenary meeting.

Secretary of the CPC Tsinghua University Committee Qiu Yong attended the opening ceremony. Wang Xiqin, president of Tsinghua University and chairman of World Peace Forum, addressed the opening ceremony, hosted by Wang Hongwei, vice president of Tsinghua University. Yan Xuetong, secretary general of World Peace Forum, attended the forum. Jiao Yang, head

of the 53rd Central Guidance Group for Themed Education on Studying and Implementing Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era and former secretary of the CPC Fudan University Committee, Zhang Zongming, deputy head of the guidance group and second-level inspector of the Department of Personnel of the Ministry of Education, along with Zhu Guizhi and Dang Wanjiang, members of the guidance group, were invited to participate in the forum.

In his keynote speech at the opening ceremony, Han Zheng called on all sides to safeguard world peace and security.

Han said that in the face of profound changes in the international situation, China has put forward a series of

major initiatives, such as the Global Development Initiative, the Global Security Initiative, and the Global Civilization Initiative, constantly enriching the connotation and practical path of the concept of building a community with a shared future for humanity, and injecting strong positive energy into world peace and development.

China is ready to work with other countries to safeguard world peace and security, seek global development and prosperity, advocate exchanges and mutual learning among civilizations, and share the fruits of human development, security, and civilization, Han said. He put forward four suggestions.

Firstly, he called for upholding independence and mutual respect, supporting all efforts to independently explore the path of democratic development, and respecting the exploration of the path of value realization by people in different countries.

Secondly, he stressed resolving conflicts through dialogue and consultation. The international community, especially influential major countries, should take a clear stand to promote peace talks and mediation in light of the needs and aspirations of the countries concerned so as to build mutual trust, resolve disputes and promote security through dialogue, Han said.

Thirdly, he urged firmly upholding and practicing multilateralism to make global governance more just and equitable.

Fourthly, Han called on all sides to promote inclusiveness, mutual benefit, and win-win results. "We should work together to usher in a new stage of balanced, coordinated, and inclusive global development, promote international development cooperation, improve the well-being of the people of participating countries,

and consolidate the social foundation for world peace," he said.

Han stressed that Chinese modernization follows the path of peaceful development, and China will unswervingly advocate, build and uphold world peace.

In his speech at the lunch meeting the same day, Liu Jianchao expanded on the keyword "peace" and shared his perspectives and insights with both domestic and international guests.

Peace has always been the shared aspiration of nations worldwide, Liu said. However, even today, humanity has not been able to break free from the historical cycle of war and peace. "Long-lasting peace and universal security remain scarce and highly sought-after."

Especially in the context of shifting profound changes unseen in a century, the international community faces increasing instability, uncertainty, and insecurity. The need for consensus, cooperation, stability, and peace on a global scale remains a task with heavy responsibility, Liu noted.

In his speech, Liu highlighted the inherent peaceful nature of the Chinese

nation, which has established a long-standing foundation for peaceful development of the country. "In the new era, General Secretary Xi Jinping has stood at the height of the future and destiny of all mankind, focusing on maintaining world peace, promoting common development, and promoting exchanges and progress among civilizations. He has successively put forward several major initiatives and propositions, including the concept of building a community with a shared future for mankind, as well as the Global Development Initiative, the Global Security Initiative, and the Global Civilization Initiative, which collectively shape the worldview and peace-oriented philosophy of the Communist Party of China.

Liu emphasized that illuminating the light of world peace is a collective endeavor of all humankind. He called for all parties to focus on common development and the establishment of a solid material foundation for peace, emphasize universal security to create the wings of peace and security, and promote cultural exchanges and mutual learning to strengthen the foundation of peace through civilization.





community of security for all. He encouraged attendees to engage in open and candid discussions, freely express their thoughts, and strive to seek common ground and promote extensive cooperation. Amid complex and diverse circumstances, he also emphasized the importance of offering constructive proposals for stabilizing the international order, safeguarding world peace, and contributing thoughts and wisdom to enhance mutual learning and cooperation among different civilizations.

At the plenary session themed "A New World Order in the Making" held in the morning following the opening ceremony, Dilma Vana Rousseff said the world today is facing multiple crises including the climate crisis, economic recession, protectionism and geopolitical conflicts. She called on all parties to promote inclusive and sustainable development, aiming to create an environment of shared prosperity and peace for people across nations.

Rousseff emphasized the need for collective action in reforming global

Wang Xiqin extended a warm welcome to the attendees and expressed gratitude to all those who have consistently supported the forum. He noted, "Those who share the same aspirations are not deterred by distance." In the past 11 years, the forum has become a major platform, playing an important role in promoting exchanges and cooperation in the realm of international security, he said.

The theme of this forum, "Stabilizing an Unstable World through Consensus and Cooperation," aligns with the

current needs and aims to contribute to the establishment of a world that is characterized by lasting peace, universal security, shared prosperity, openness, inclusiveness, and environmental beauty, Wang said.

He affirmed that Tsinghua University will continue to make utmost efforts to sustain the forum's global impact, actively address major security challenges faced by the international community, and play an important role in building a community with a shared future for mankind and a global

governance to address the fractures within globalization, and counteract protectionism and unilateralism. She urged all parties to seek consensus on the basis of shared prosperity, condemning any form of "unipolar model," and working towards cooperative and mutually beneficial outcomes.

When presiding over the first plenary session, Wang Chao emphasized that the world is experiencing profound changes unseen in a century. "The international landscape is marked by a mix of intertwined, turbulent and changing complexities, including a slowdown and imbalanced development of global governance order, a resurgence of the Cold War mentality, the rise of hegemony, unilateralism, and protectionism, intensified competition and confrontation among major powers, and a growing number of uncertainties and unpredictable factors," he noted. "At the same time, the human pursuit of peace, development, cooperation, and win-win outcomes remain steadfast, with a stronger demand from the



international community for a fairer and more just global order."

As the world stands at a crucial crossroads in history, the gathering of experts to discuss "A New World Order in the Making" carries significant importance, Wang added.

The forum comprises four major plenary sessions and 20 panel discussions and will touch on topics such as a new

world order in the making, the evolution of multilateralism, major-power roles in international security, and regional cooperation in reform.

The World Peace Forum, founded in 2012, is a non-governmental annual forum on international security organized by Tsinghua University and co-organized by the Chinese People's Institute of Foreign Affairs.



Tsinghua University wins grand prize in the National Teaching Achievement Award for Higher Education

On July 24, the Ministry of Education announced the list of projects for the 2022 National Teaching Achievement Award. Tsinghua University, as the only independently reporting unit, was honored with the grand prize in the National Teaching Achievement Award for higher education (undergraduate) for its teaching achievement in "Implementing the 'Three-Pronged Approach', Cultivating Mission-Driven and Excellence-Pursuing Innovative Talents".

Tsinghua won a total of 26 awards in the National Teaching Achievement Award for higher education. These include one grand prize, three first prizes, and 15 second prizes at the undergraduate level, as well as two first prizes and five second prizes at the graduate level. Tsinghua also won two second prizes in basic and vocational education sectors.

The National Teaching Achievement Award is an award approved by the State Council, evaluated once every four years, representing the highest level of teaching work in China's higher education. It stands alongside the State Natural Science Award, the State Technological Invention Award, and the State Scientific and Technological Progress Award. In 2022, a total of 1,998 project achievements won the National Teaching Achievement Award for higher education, including seven grand prizes, 245 first prizes, and 1,746 second prizes.

In 2014, Tsinghua took the lead in initiating comprehensive reforms, with a series of innovative measures being introduced to address deep-rooted challenges hindering the university's development. The term "Three-pronged approach" first appeared at the 24th Educational Work Discussion Conference held at Tsinghua University,



and was listed as one of the top ten news stories of Tsinghua University in 2014. Four years later, at the 25th Educational Work Discussion Conference, the "Three-pronged approach" talent cultivation model was formally established as an educational philosophy, becoming a rational understanding to guide the university's educational activities in the new era, and gaining widespread consensus among faculty and students.

As a new expression of the comprehensive development of educational philosophy in the new era, the meaning and significance of the "Three-pronged approach" continues to evolve with Tsinghua's innovative practices in education.

"The 'Three-pronged approach', led by the shaping of values, especially emphasizes the shaping of values in the process of cultivating skills and imparting knowledge," said Qiu Yong, secretary of the CPC Tsinghua University Committee.

"The shaping of values" is the first and fundamental task of education; "The cultivating of skills" aims to provide

students with broader growth space and greater development; "The imparting of knowledge" aims to give students a solid foundation with a broad range of core professional skills and interdisciplinary knowledge structures. The implementation of the "Three-pronged approach" aims to cultivate Tsinghua students into truly mission-driven and excellence-pursuing innovative talents.

From the time the "Three-pronged approach" was first proposed at the 24th Educational Work Discussion Conference, to its elevation as an educational philosophy at the 25th conference, and the introduction of 37 specific action plans, up to the eventual launch of the "2030 High-Level Talent Cultivation Plan" after the 26th conference, the connotation and scope of the "Three-pronged approach" continues to develop and evolve.

Under the guidance of the "Three-pronged approach", a series of educational and teaching reform measures have yielded significant results, playing a leading role in promoting the innovation of higher education philosophies, practices, and models in China.

Inaugural "Tsinghua Global Youth Dialogue" concludes

On the afternoon of August 30, the inaugural "Tsinghua Global Youth Dialogue" successfully concluded amidst a chorus of Auld Lang Syne. Under the theme of "United Youth, Shared Future," the Dialogue attracted over 60 youth representatives from more than 30 countries and regions worldwide.



The opening ceremony took place on the afternoon of August 29. Wang Xiqin, president of Tsinghua University, and UN Resident Coordinator in China Siddharth Chatterjee, delivered speeches online. The opening ceremony was attended by distinguished guests, including Xu Lyuping, vice chairperson of the Chin NGO Network for International Exchange, Dong Xia, deputy secretary-general of the All-China Youth Federation, Chen Dali, deputy director of the Department of International Cooperation and Exchanges, Ministry of Education, Irwansyah Mukhlis, a minister counsellor of the Indonesian Embassy in China, Abdumurzayev Askhat, an educational counsellor of the Kazakhstan Embassy in China, Guo Yong, deputy secretary of the CPC Tsinghua University Committee, and representatives from Astana International University in Kazakhstan and Gadjah Mada University in

Indonesia. After the opening ceremony, youth representatives engaged in discussions with Wang Hongwei, vice president of Tsinghua University.

Wang Xiqin emphasized that the world is undergoing profound changes unseen in a century, and dialogues among youths are indispensable for human beings to address common challenges and move towards a better future. Upholding the educational philosophy of integrating China and the world, bridging the past and the present, and blending arts and sciences, Tsinghua University gives high priority to cultivating global competence of young students. The "Tsinghua Global Youth Dialogue" aims to provide a multilateral mechanism for exchanges and cooperation among youths around the world and encourages youths to join hands to contribute to global development. He also encouraged young people to transcend the interdisciplinary barriers of different knowledge systems, seek truth and goodness, and be capable of integration. They should transcend the value barriers of quick success and instant benefits, take a long-term view, and embrace global vision. In addition, he emphasized the importance of transcending the cultural barriers of different civilizations so that youth can better complement and help each other.

Xu Lyuping called for joint efforts to consistently strengthen cultural exchanges and mutual learning among civilizations, and to open up a new prospect of enhanced exchanges and understanding among different peoples to create better interactions



and integration of diversified cultures. She encouraged young people to serve as bridges for exchanges between different civilizations with an inclusive attitude, engage in international cultural exchanges and cooperation with innovation, and contribute to making the garden of world civilizations colorful and vibrant.



As noted by Dong Xia, in a digital age where opportunities and challenges coexist young people should seize opportunities and face challenges. They also play a significant role in advancing the construction of a community with a shared future for mankind. She also presented the World Youth Development Forum project currently underway by the All-China Youth Federation. This forum aims to create a platform where global youth can work together towards global development and countries worldwide can jointly advance youth development.



According to Chen Dali, cultural exchanges between China and other countries are essential for global civilization dialogue. The Ministry of Education of the People's Republic of China will expand the opening-up of education to the outside world and engage in comprehensive, multi-level, and wide-ranging international educational exchange and cooperation with countries worldwide. It will pave the way for Chinese youth to connect with the world and for young people from around the world to gain deeper insights into China.



During an online speech, Siddharth Chatterjee, United Nations Resident Coordinator in China, pointed out that youth are a crucial force in addressing global challenges and enjoy unique advantages in the digital age, such as innovative mindsets, critical reasoning, and teamwork spirit. He also advised young people to have faith in their own potential, prioritize their responsibilities bravely, set good examples and take up leadership roles in their future positions. The UN will continue to support and stand with young people to help achieve the SDGs and shape a just and sustainable world.



Irwansyah Mukhlis highlighted that young people play an important role in making a difference to the world. He called on various countries to strengthen partnerships among global youths and empower them for mutual learning.



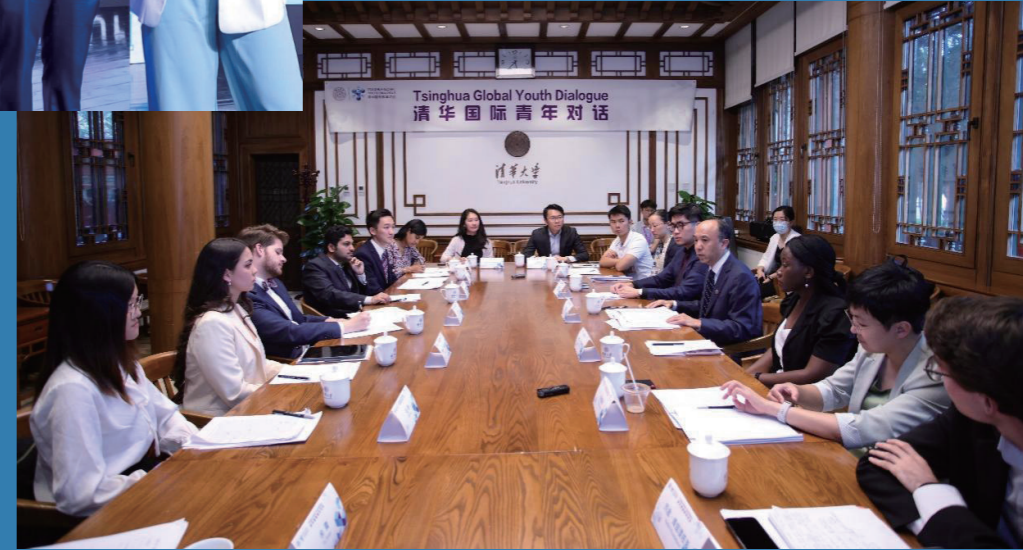
Abdumurzayev Askhat read a letter from Shahrat Nuryshev, Ambassador of Kazakhstan to China. Mr. Nuryshev expressed Kazakhstan's willingness to collaborate with China in advancing connectivity in infrastructure and youth development projects in the future.



Iralsaliyev Serik Aztayevich, President of Astana International University, and Ova Emilia, Rector of Universitas Gadjah Mada, separately delivered speeches online.



Youth representatives shared their stories at the opening ceremony. Aditya Garg from India showed photos of air pollution taken in India, expressing his determination to participate in environmental protection. Aie Natasha from Indonesia narrated what youth representatives experienced in China, including traveling on clean energy transportation and experiencing autonomous driving in Shenzhen. Ana González from El Salvador said she witnessed a vivid example of coexistence between modern development and wildlife conservation at the giant panda base. Peng Shaohua from the United States expressed his passion for popular Chinese songs and Chinese TV dramas. Liao Yang from China shared her ideas on "United Youth", which are based on the enthusiasm of global youth representatives for mutual communication and group selfies.



Following the opening ceremony, 12 youth representatives engaged in discussions with Wang Hongwei. Prof. Wang encouraged youth representatives to become "inaugural cohorts" of the "Tsinghua Global Youth Dialogue", "friends of Tsinghua" who understand and care about Tsinghua, "experts of China" who pay close attention to China's development, and "open ambassadors" for international exchanges aimed at establishing a community with a shared future for mankind.





+ dialogue". For the part of practice, young representatives from China and elsewhere visited Shenzhen, Chengdu, Deyang, Beijing and other cities to gain first-hand experience of China's innovation and immerse themselves in the charm of Chinese culture. The dialogue session adhered to the concept of "diversity and integration". The Harmony Concert was co-presented by both the Tsinghua Student Art Troupe of Chinese Folk Music and foreign musicians, showing the charm of cultural exchange and integration through both traditional and modern Chinese instruments. At the closing ceremony, youth representatives sang Auld Lang Syne in multiple languages, expressing their desire to further strengthen youth communications and cooperation.

The "Tsinghua Global Youth Dialogue" is sponsored by Tsinghua University, co-organized by Astana International University in Kazakhstan and Universitas Gadjah Mada in Indonesia, and undertaken by the Tsinghua University Center for Global Competence Development and the Tsinghua University Student Association of the Belt and Road Initiative. The event aims to create a platform for global youth to engage in interactions and discussions and to provide them with an opportunity to explore China and discuss global issues together. Parallel dialogues are also held at Astana International University in Kazakhstan and Universitas Gadjah Mada in Indonesia.

The keynote speech and round-table sessions took place on the afternoon of August 30. They focused on the themes of building civilization through innovation, development and dialogue. The keynote speeches were delivered by Zhang Yaqin, Dean of the Institute for AI Industry Research (AIR) of Tsinghua University, Xue Lan, Dean of Schwarzman College and Co-Chairman of the Center for Industrial Development and Environmental Governance (CIDEG) at Tsinghua University, Erik Solheim, Chairman of the BRI International Green Development Coalition and former UN Environment Executive Director and Under-Secretary-General of the United Nations, Wang Hui, Dean of the Tsinghua Institute for Advanced Study in Humanities and Social Sciences, and Getachew Engida, former Deputy Director-General of UNESCO and Co-

Chairman of the China-Africa Leadership Development Institute at Tsinghua University. Following keynote speeches, youth representatives also engaged in round-table discussions based on their individual experience and thoughts.

At the end of the event, youth representatives from China, India, Hungary, and Zimbabwe read aloud the United Youth Initiative "Our Common Future." This initiative, based on the "time capsule" made by youth representatives, is generated with the assistance of AI technology developed by Tsinghua University. It calls on young people worldwide to actively cooperate and to contribute to building a more harmonious, inclusive, open, and sustainable world.

The inaugural "Tsinghua Global Youth Dialogue" takes the form of "practice



Tsinghua shines at the 19th Asian Games

The curtain fell on the 19th Asian Games in Hangzhou, Zhejiang province, on October 8, with athletes from various nations having delivered riveting performances that exemplify the spirit of sport.

Six athletes from Tsinghua University and one alumna yielded an impressive medal haul of 5 gold, 4 silver, and 2 bronze, across four events.

The participating individuals, stemming from various undergraduate classes, showcased not only their athletic prowess, but also the robust sporting culture cultivated within the institution.

Notably, the second gold of Zheng Weitong, a 2020-enrolled undergraduate from Tsinghua School of Economics and Management, marked the 200th in total for the Chinese delegation—a historic record for the country at the Asian Games.

The valiant efforts and notable accomplishments of Tsinghua's athletes resonate although the Games drew to a triumphant conclusion, embodying relentless spirit and sportsmanship.

THE 19TH ASIAN GAMES



Chinese vice president meets Tsinghua University advisors

BEIJING, Oct. 19 (Xinhua) -- Chinese Vice President Han Zheng met with representatives of the advisory board of the Tsinghua University School of Economics and Management in Beijing on October 19.

Han expressed appreciation for the advisors' longstanding care and efforts in supporting China's economic and educational development.

He said that while facing global challenges, all parties need to strengthen exchanges, enhance understanding, and build greater consensus, calling on the advisors to actively play their roles in promoting cooperation between China and the world in various areas and offer advice for Chinese modernization.

The advisors, led by Apple CEO Tim

Cook, spoke highly of the Chinese government's commitment to reform and opening up and expressed willingness to enhance communication with China, increase investment in China and cooperation in areas including science, technology and new energy, carry out more academic exchanges, and contribute to Chinese modernization.

Chinese Vice President Han Zheng meets with representatives of the advisory board of the Tsinghua University School of Economics and Management in Beijing, capital of China, Oct. 19, 2023. (Xinhua/Liu Weibing)



Tsinghua Schwarzman College hosts 10th anniversary meeting

Schwarzman College of Tsinghua University hosted its 10th anniversary meeting on October 19.

Tsinghua President Wang Xiqin, and Stephen A. Schwarzman, founder of Schwarzman Scholars and chairman of the Blackstone Group, delivered speeches at the event. Tsinghua Vice Presidents Yang Bin and Wang Hongwei were also in attendance.



Dean of Schwarzman College, Xue Lan, presented a report on the college's development in the past 10 years. Amy Stursberg, the executive director of the Blackstone Charitable Foundation, was present. The event was presided over by the executive dean of Schwarzman College, David Qingzhong Pan.

Wang extended his congratulations to all the students, faculty, staff, and alumni of Schwarzman College. He expressed his gratitude to all who have shown concern, supported the development of the college, and contributed to the college's development. He pointed out that when the Schwarzman Scholars program was launched in 2013 and when the Schwarzman College held its inaugural opening ceremony in 2016, the two heads of state of China and the United States sent letters of congratulations on both occasions. Schwarzman College has upheld the principle of "taking root in China and embracing the world" for a decade. With a keen spirit of innovation, the college has carved out a path for nurturing young international leaders. With an open and inclusive approach, it has established a platform for promoting cross-cultural exchange and collaboration; with a deep commitment to education, it has cultivated a cohort of outstanding talents with a global perspective and a strong sense of

social responsibility. Over the past 10 years, the college has closely followed contemporary themes, upheld its mission, persisted in reform and innovation, bravely faced challenges, maintained an open perspective, and actively responded to challenges, accumulating valuable experience for the development and reform of the university.

Wang mentioned that a decade is a milestone worth reflecting on and commemorating, and it is also a starting point to set sail once again. Facing new circumstances and tasks, he hopes that Schwarzman College will adhere firmly to the guidance of President Xi Jinping, uphold its core principles, be resolutely proactive, and seize the momentum to take the initiative. The college should stay true to its founding mission, bear in mind the broader interests of the nation, integrate seamlessly into Tsinghua, and focus on its self-development. It should strive for high-quality growth, establishing itself as a top domestic and world-class international hub for cultivating future global leaders and facilitating international cultural exchanges. Moreover, the college should play a larger role in building a community with a shared future for mankind, supporting the openness of national education in this new era, and

aiding Tsinghua's endeavor to build a world-class university.

In his address, Schwarzman reflected on the establishment of the Schwarzman Scholars program and the inception of Schwarzman College. He expressed his gratitude to every faculty member, staff, and student for their unwavering dedication to the college's growth and development and voiced his pride in the accomplishments of the college. Schwarzman remarked that, over the past decade, the college has grown in tandem with Tsinghua, nurturing successive batches of outstanding talents with broad international perspectives and exceptional leadership. This has resulted in remarkable academic achievements and garnered widespread acclaim from the international community. He expressed hopes that the college will continue to cultivate future leaders with an in-depth understanding of China for the global community, further enhancing friendly exchanges among different nations.



At the meeting, Scott MacEachern, the vice chancellor for Academic Affairs of Duke Kunshan University; Deng Feng, the founder of Northern Light Venture Capital; and Li Jintian, the 2017-class alumnus of Schwarzman College, delivered speeches to commend the achievements made by the college over the past decade in establishing a platform for Sino-foreign exchanges and cultivating international talents.

Around 300 people, including representatives from the academic community, various Tsinghua departments, donors to the college, alumni representatives, faculty, and students, attended the event.

Schwarzman Scholars is a significant initiative of Tsinghua University's centennial strategy, aiming to cultivate future leaders with a global perspective who are dedicated to advancing human civilization. To date, Schwarzman College has trained nearly 1,000 students from over 80 countries and regions since its inception in April 2013.

Xue presented a report on Schwarzman College's achievements over the past 10 years. He stated that, standing at a new starting point, the college will employ agile governance mechanisms to address changes and challenges. With a more proactive attitude, it aims to explore and expand collaborations, continuously drive innovation in talent cultivation, and genuinely make significant contributions to the peace and development of the future world.

That afternoon, two parallel forums were held: one on higher education and the other for alumni. Xue and Pan respectively chaired the forums.



Tsinghua hosts international academic forum on 'Paleography and Chinese Civilization'

The first International Academic Forum on "Paleography and Chinese Civilization" commenced on the morning of October 21st in Tsinghua University's main building. The opening ceremony attracted more than 120 scholars and experts from over 40 universities and research institutes spanning across 13 countries including China, the United States, Russia, the United Kingdom, France, Japan, and Germany, among other countries. The Vice President of Tsinghua University, Peng Gang, hosted the opening ceremony.

The opening ceremony was attended by Qiu Yong, Secretary of the CPC Tsinghua University Committee, Hong Dayong, the Director of the Office of Philosophy and Social Sciences of China, Tian Lixin, the Director of the Language and Information Management Division of the Ministry of Education, Professor Sarah Allan from Dartmouth College, Distinguished Visiting Professor at Tsinghua University, and Professor Zhu Fenghan, Peking University Bo Ya (School of Liberal Arts) Chair Professor, who each delivered speeches.

In his speech, Qiu Yong expressed heartfelt gratitude to friends from all walks of life who have long cared for and supported the development of Tsinghua University and the construction of Tsinghua's humanities disciplines. Qiu Yong emphasized that Chinese universities, as important carriers for inheriting and promoting outstanding Chinese culture, should strive to become a vital force in promoting the creative transformation, innovative development, and prosperity and progress of



human civilization. In recent years, the University has established the Research and Conservation Center for Unearthed Text, cultivated high-level scholars, and actively promoted interdisciplinary research on ancient texts. To further unlock the historical ideas and cultural values of ancient scripts like oracle bone inscriptions, Tsinghua University launched the International Academic Forum on "Paleography and Chinese Civilization". Through this initiative, they endeavor to create a high-end international academic platform that will foster exchanges and mutual learning between Chinese civilization and various world civilizations. It is believed that the forum will expand international academic exchanges and cooperation in the study of ancient scripts. Tsinghua's research on ancient scripts will uphold the University's style of integration of Chinese and Western cultures, connecting the ancient and modern, and probing the arts and sciences. It continues the historical context, while writing a new chapter for the era. Moving forward, Tsinghua University will deeply understand the theoretical implications and practical requirements of "clarity in form, effectiveness in use" and working together with colleagues

from all sectors of society to establish a cultural foundation for a new form of human civilization. Tsinghua University aims to contribute to the rejuvenation of Chinese civilization and promote harmony among world civilizations on a larger scale.

Hong Dayong stated that General Secretary Xi Jinping attaches great importance to the inheritance and development of language and Chinese civilization. He emphasized that Chinese characters are a symbol of Chinese cultural heritage, and this inheritance represents the true essence of Chinese identity. Tsinghua University is organizing this forum, inviting renowned scholars and experts in the field of paleography and traditional culture from both domestic and international backgrounds to gather at Tsinghua campus for in-depth exchanges and discussions on the inheritance and development of ancient scripts and Chinese civilization. This event is a momentous and celebratory occasion for the research community devoted to ancient script.

Hong Dayong introduced the efforts by the National Social Science Fund over the years in supporting the research

of paleography. He emphasized the Fund's strong commitment to supporting the study of ancient script and pledged to further enhance support in order to drive new advancements and breakthroughs in the research of Chinese character civilization. In terms of advancing the disciplinary system, academic framework, and discourse within the field of paleography, Hong Dayong presented four aspirations: first, to enhance the overall development level of the discipline of ancient writing and develop new methods and paradigms that are compatible with the digital age; second, to produce original landmark achievements that represent the national standard, thereby contributing substantial academic strength to the cultural rejuvenation and the construction of a modern Chinese civilization; third, to cultivate a talented workforce characterized by both moral integrity and academic excellence, providing a solid talent foundation for ongoing scholarly innovation; fourth, to strengthen international academic cooperation and deepen exchanges and mutual learning between civilizations, contributing essentials, wisdom, and vitality of the Chinese nation to the development of global civilization.



Tian Lixin highlighted the significant and profound implications of hosting this forum in the backdrop of the 10th anniversary of General Secretary Xi Jinping's proposal for jointly constructing the Belt and Road Initiative. She emphasized its crucial importance in driving the advancement

of the study of paleography and Chinese civilization. General Secretary Xi Jinping places great emphasis on the preservation and development of China's exceptional traditional culture, notably represented by oracle bone inscriptions. In several pivotal speeches, he has underscored the groundbreaking significance of the major discovery of oracle bone inscriptions in the history of Chinese and global civilization. The Chinese script is truly remarkable, and the formation and evolution of the Chinese nation are inseparable from the nurturing of this writing system. The government has provided strong support for research efforts in this domain, initiating the "Project on Paleography and the Inheritance and Development of Chinese Civilization" in 2020. This project comprehensively and systematically explores various forms of ancient writing, including oracle bone inscriptions, bronze inscriptions, and bamboo and silk scripts, in order to shed light on their profound role in the development of Chinese and human civilization, resulting in notable achievements. It is imperative to further deepen international exchanges and cooperation in related fields, strengthen comparative studies of ancient civilizations, facilitate overseas investigations into ancient manuscripts, and promote the translation of research outcomes. By adopting a global perspective, we can elucidate the contemporary value and global significance of the Chinese cultural spirit. Tian Lixin advocated for experts and scholars from home and abroad to serve as mediators between Chinese and foreign cultures, joining hands and making more proactive efforts to foster cultural communication, enhance mutual understanding, friendship, and cooperation. Through language and cultural ties, we can facilitate exchanges and mutual learning among civilizations.

Sarah Allan expressed her appreciation for the significant advancements made by Chinese and international scholars in the field of early China. She attributed these achievements to the generosity and open-mindedness of Chinese



scholars. Additionally, she expressed gratitude towards paleography research centers such as Tsinghua University for their efforts in the preservation, conservation, and publication of unearthed bamboo manuscripts. These endeavors, coupled with the academic exchanges facilitated by these centers, have played a pivotal role in shaping the successful career of Western scholars. Drawing from her own experiences as a young student studying early China in the United States, Professor Allan acknowledged the inherent differences in intellectual contexts between Chinese and Western scholars. These differences contribute to divergent perspectives on the same subject matter. In light of this observation, she emphasized the significance of academic cooperation and collaboration. Furthermore, she warmly welcomed future events like this international dialogue, as they provide valuable opportunities for scholarly exchange and discourse in the new era of studies on early China.

Zhu Fenghan stated that the hosting of such a prestigious and large-scale academic conference by Tsinghua University, with a special emphasis on paleography, fully demonstrates the significant importance of ancient writing in promoting and inheriting excellent traditional Chinese culture and advancing the exchange and mutual learning between Chinese civilization and world civilizations.

In the keynote speech session, Professor Qiu Xigui from Fudan University entrusted the conference organizing committee to present the keynote article. Keynote speeches were then delivered as



by Professor Edward Shaughnessy from the University of Chicago, Professor Dirk Meyer from the University of Oxford, and Professor Zhang Guangyu, Chair Professor in the Department of Chinese Language and Literature at Hang Seng University of Hong Kong and Honorary Professor at Tsinghua University.

Qiu Xigui delivered an insightful observation regarding the oracle bone inscriptions from the Yin Xu Period and the early bronze inscriptions of the Western Zhou Dynasty. These inscriptions revealed the emergence of a concept similar to "mana," a term extensively debated in cultural-anthropological studies and signifying "spirit" in archaic Polynesian societies. Interestingly, in the early Chinese glossary, this term is not represented as 精, which directly translates to "spirit," but rather as 晶.

Following Qiu's keynote, Edward Shaughnessy revisited an old issue that he has long debated with his colleagues at Tsinghua University. As suggested by the title of his talk, this marks his fourth attempt to argue for interpreting 田 as "wish" instead of "cause." By presenting a plethora of new evidence, he once again emphasized that, in most cases, the 田 found in unearthed manuscripts should be read as 思, thereby challenging the established convention.

Taking a socio-philological perspective, Dirk Meyer examined the recently published Analects from the collection of the Anhui University Warring States bamboo manuscripts. Meyer's interpretation of this text suggests that it is a cohesive argument-based composition that played a significant role in establishing Confucius as

a "philosophical institution." This challenges the traditional notion of the Analects as a collection of fragmented sayings by Confucius and his disciples, as commonly known today. Instead, the manuscript text presents a coherent selection of sayings that demonstrate a consistent linguistic and conceptual logic. This sheds light on the editorial effort undertaken to establish Confucius as a philosophical figure. Meyer argues that it is crucial to view the Anhui University Analects as representative of the Confucius canonization during the Warring States period.

Returning to rigorous and in-depth exegetical analysis, Cheung Kwong Yue offered a profound reflection on the newly discovered characters 谦 and 诚 found in the Tsinghua Bamboo Manuscripts. He argued that their graphical structures, combined with other supporting evidence, lead to the conclusion that a portion of these manuscripts were written down towards the end of the Warring States Period.

The International Academic Forum on "Paleography and Chinese Civilization" is hosted by Tsinghua University and co-organized by the Tsinghua University Research and Conservation Center for Unearthed Text and the Secretariat of the Paleography Program. The forum thoroughly explored the nature of early Chinese writing systems, including oracle bone inscriptions, bronze inscriptions, bamboo and silk manuscripts, and more, and promote and preserve China's rich traditional culture while fostering exchange and mutual learning between Chinese civilization and global civilizations. Over two days, scholars engaged in discussions organized into four panels: "State and Society in Early China," "The Tsinghua Bamboo Manuscripts," "The Shang and Zhou Scripts," and "The Warring States / Qin and Han Scripts." During the two-day forum, over one-hundred scholars, including Martin Kern, Li Ling, Donald Harper, Liu Zhao, and Yuri Pines, conducted extensive exchanges and discussions on the aforementioned topics. The forum exhibits the tangible outcomes and scholarly achievements

of the ongoing national cultural initiative known as the "Project on Paleography and the Inheritance and Development of Chinese Civilization" in the reception hall of the main building.



As a prestigious research institution in the field of humanities at the university level, the Tsinghua University Research and Conservation Center for Unearthed Texts has been making significant contributions since its establishment in 2008. It has gained recognition as one of the Key Research Institutes of Humanities and Social Sciences of the Ministry of Education and the leading institute of the National Center of Collaboration and Innovation. The center's primary focus is the preservation, compilation, and scholarly exploration of the Warring States bamboo slips that were salvaged and safeguarded by Tsinghua University. Additionally, the center actively engages in the study of other excavated documents such as oracle bones, bronze inscriptions, and unearthed texts from the Warring States, Qin, and Han periods. It also plays a significant role in the University's implementation of the strong foundation plan and the cultivation of talents in the field of paleography, which encompasses both doctoral and master's degree programs. To date, the center has published twelve volumes of The Tsinghua University Warring States Bamboo Manuscripts, a comprehensive series comprising forty-three volumes titled Compendium of Oracle Bone Tracings, as well as The Tsinghua University Warring States Bamboo Manuscripts: Studies and Translation 1: The Yi Zhou Shu and Pseudo-Yi Zhou Shu Chapters.

Tsinghua Professor Xue Qikun awarded Oliver E. Buckley Prize

On October 24, the American Physical Society announced that Xue Qikun, an academician of the Chinese Academy of Sciences, professor at Tsinghua University, and president of the Southern University of Science and Technology, has been awarded this year's Oliver E. Buckley Condensed Matter Physics Prize. Since the award was first granted in 1953, this is the first time that the prize has been awarded to a physicist of Chinese nationality.

The prize is recognized as the highest award in condensed matter physics, and is intended to honor scientists who have made outstanding contributions in this field.

Xue and Harvard University Professor Ashvin Vishwanath were awarded for their "groundbreaking theoretical and experimental studies on the collective electronic properties of materials that

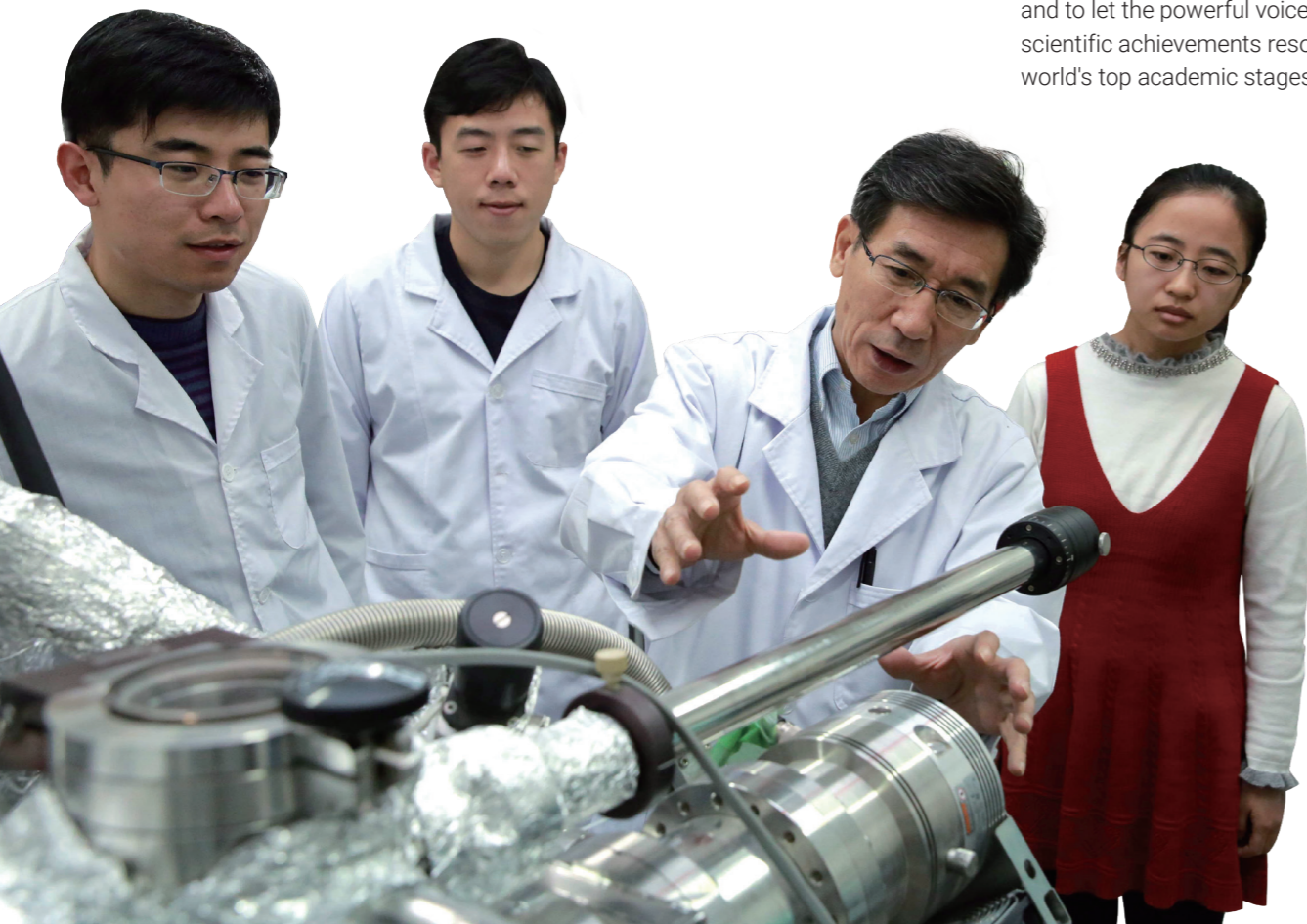
reflect topological aspects of their band structure." Xue's primary achievements include experimental research on topological insulators and the innovative breakthrough of experimentally discovering the quantum anomalous Hall effect in a magnetic topological insulator. He has become the first recipient of Chinese nationality in the 70-year history of the prize.

Since 2008, the research team led by Xue has made a series of significant advancements in the experimental research of topological insulators. The quantum anomalous Hall effect is one of the major scientific goals in this field. By the end of 2012, his team had experimentally discovered the quantum anomalous Hall effect for the first time. This achievement was published in the journal *Science* in March 2013. This is an important physical effect that Chinese scientists independently observed in



experiment and is a significant scientific discovery of fundamental research worldwide.

Xue calls upon all Chinese scientists to always focus on the nation's major needs, leveraging fundamental research to support technological revolutions and industrial renewal, to promote social progress and the well-being of the people, to always face the forefront of global scientific technology, contributing Chinese wisdom to the world's scientific development through relentless efforts, and to let the powerful voice of China's scientific achievements resound on the world's top academic stages.



2023 Tsinghua Higher Education Forum explores higher education for sustainable development



The morning of October 28 saw the 2023 Tsinghua Higher Education Forum initiated by Tsinghua University in Beijing, themed by "Higher Education for Sustainable Development: Global Perspectives and Practices". Anthony Ohemeng-Boama, UNESCO Assistant Director-General, Guan Peijun, Vice President of China Association of Higher Education, and Wang Xiqin, President of Tsinghua University attended the opening ceremony of the Forum, presided over by Yang Bin, Vice President of Tsinghua University.

In his video speech, Anthony Ohemeng-Boama extended his congratulations on the convening of the forum. Ohemeng-Boama emphasized the irreplaceable role of higher education in fostering sustainable, resilient, and peaceful societies. He compared the disparity in higher education access between Sub-Saharan Africa and more affluent regions, advocating for enhanced internationalization and technological integration within educational frameworks. He mentioned the actions taken by the UNESCO towards the sustainable development of higher education, pointing out that the Global Convention on the recognition of

qualifications in higher education and the UNESCO Qualifications Passport initiative are significant efforts to augment inclusivity and mobility in higher education. Ohemeng-Boama contended that a higher education framework should be established that aligns with the labor market demands, aiming to alleviate educational disparities, enhance academic mobility, and leverage technological advancements to reshape the global educational landscape.

Guan Peijun discussed how to promote sustainable development in higher education. He highlighted the crucial importance of exploring how higher education can achieve sustainability in a complex and ever-changing world. He outlined three dimensions of sustainable higher education: higher education as a part of sustainable development, higher education on sustainable development and higher education for sustainable development. Guan mentioned the "Beijing Initiative", which was formed at this year's World University Presidents' Forum and proposed to promote sustainable development in higher education. He proposed: first, to build an autonomous



knowledge system in China; second, to face the world's technological frontier, the main economic battlefield, major national demands and people's health to accelerate the realization of high-level technological self-reliance and self-strengthening; third, to establish global higher education partnerships as a binding force to achieve these goals.



Wang Xiqin extended a warm welcome to all the guests, experts and scholars present at the Forum. He introduced that Tsinghua University initiated the Tsinghua Higher Education Forum in 2022. The first forum, themed "New Roles of Universities in a Changing World", achieved successful results. The 2023 Tsinghua Higher Education Forum focused on "Higher Education for Sustainable Development: Global Perspectives and Chinese Practices".

Wang noted that at the current time, as the world stands at the midpoint of the 2030 Sustainable Development Agenda, human society is facing unprecedented challenges. Education plays a fundamental, strategic and leading role in the development and progress of human civilization, with higher education at the forefront. Higher education must adhere to global sustainable development, strive for innovation and develop transcendent education. Higher education for sustainable development should open the "time axis", connecting humanity's past, present and future; open the "life axis", promoting harmonious coexistence between humans and nature; open the "space axis", fostering cooperation among nations.

Wang emphasized that Tsinghua University has always attached importance to promoting sustainable development, integrating the concept into talent cultivation, scientific research, social service and campus construction. Tsinghua is willing to



strengthen exchanges and cooperation with universities around the world, share responsibilities and work together to build high-quality higher education oriented towards sustainable development. He hoped that the guests participating in this forum would engage in lively discussions, inspire each other, and collectively contribute wisdom for the bright future of higher education and the enduring prosperity of human society.

Sub-forum One took place under the theme of "Higher Education for Sustainable Development: Ideas, Knowledge, and Ethics". Getachew Engida, Co-president of China-Africa

Leadership Development Center, Tsinghua and former Deputy Director General of UNESCO, presented a keynote report entitled "The Futures of Higher Education in Times of Discontinuous Change". Simon Marginson, professor of Oxford University presented a keynote report entitled "Higher Education, the Nation-state and Global Sustainability". Li Manli, professor at Institute of Education of Tsinghua University, presented a keynote report entitled "A Framework of Chinese Universities for Sustainable Development: The Healthy Relationship Model and its Contributions". Xu Xiuli, professor of China Agricultural University presented a keynote report entitled "Learning from the Field: Cultivating New Talents for Sustainable Development". The Sub-forum was chaired by Huang Futao, professor at Higher Education Center, Hiroshima University.

Many experts and scholars from Institute of Education, Tsinghua University, Graduate School of Education,



Peking University, Centre for Global Higher Education, Oxford University, Faculty of Education, University of Hong Kong, School of Education, Tianjin University and other global educational institutions participated in the forum.

During the two-day Forum, experts and scholars at home and abroad focused

on ideas and paradigms of sustainable development in higher education, construction and responsibilities of world-class universities, innovation and development in engineering education, and sustainable development education and practices. Sub-forum Two explored "Building World-class Universities for Sustainable Development" on

the afternoon of October 28. On October 29, Sub-forum Three was held in the morning on "Innovation and Sustainability: Engineering Education for the Future", followed by the Youth Forum in the afternoon on "Youth Perspectives and Actions to Promote Education for Sustainable Development".

Tsinghua excels in 18th "Challenge Cup"



On October 30, the 18th "Challenge Cup" National College Student Extracurricular Academic and Technological Works Competition concluded at Guizhou University. The team from Tsinghua University achieved a remarkable feat

with six projects in the finals, winning three top prizes, two first prizes, and one second prize. In the special "Leaderboard Challenge" competition, one project claimed the "Champion" title, two projects secured first prizes,

and another project earned third prize. For their outstanding performance, Tsinghua University was honored with the "Excellence Cup".

This year's "Challenge Cup" attracted over 2 million students from more than 2,000 universities across the country. The competition comprised a total of 10 academic categories, including Mechanical and Control, Information Technology, Life Sciences, Energy and Chemical Engineering, Mathematics and Physics, Development Achievements, Civilization and Culture, Beautiful China, People's Well-being, and Governance in China.

3rd World Health Forum advances pandemic preparedness

On November 4th, the 3rd World Health Forum commenced in Beijing, organized by Tsinghua University and co-hosted by Tsinghua Vanke School of Public Health (VSPH) and Tsinghua Institute for Healthy China. The Forum, themed "Preparing the World for the Next Pandemic," attracted prominent scholars, international organization leaders, non-governmental organization heads, global experts, and industry leaders from various corners of the world. They gathered to draw lessons from past pandemics, enhance international and domestic public health systems, and provide robust technological support for future global health.

Distinguished guests attending the Opening Ceremony included Lei Haichao, vice minister and deputy secretary of the Leading Party Members' Group of the National Health Commission; Sun Yang, deputy head of the National Disease Control and Prevention Administration; Wang Xiqin, president of Tsinghua University; Margaret Chan, former director-general of the World Health Organization (WHO) and founding dean of VSPH; Wang Shi, founder and honorary chairman of China Vanke Co., Ltd, and president of Vanke Foundation; Guo Yanhong, director of the Medical Emergency Division of the National Health Commission; Zhong Dongbo, secretary of the Party Committee of the Beijing Municipal Health Commission; Liang Wannian, executive vice dean of VSPH and dean of Tsinghua Institute of Healthy China; and Harvey Fineberg, co-chair of the VSPH International Academic Advisory Board, and president of the Gordon and Betty Moore Foundation.

The Opening Ceremony also welcomed notable representatives from domestic

and international research and education institutions, provincial and municipal health systems, medical institutions, foreign embassies in China, international organizations, and non-governmental organizations. Over 150 representatives from Tsinghua University, including faculty and students, attended the event. Wang Hongwei, vice president of Tsinghua University, presided over the Opening Ceremony.



In his opening remarks, Tsinghua University President Wang Xiqin highlighted that while academic disciplines and professional roles become increasingly specialized, the challenges facing humanity are becoming more interconnected. Universities, with a focus on integrating talent cultivation and technological innovation, and serving as an important platform for international exchanges and cooperation, must embrace changes to be prepared for addressing unforeseen major risks. He emphasized the importance of focusing on real-world problems to improve the quality of talent self-cultivation, embracing a systemic approach for ongoing university innovation, and actively promoting international exchange and cooperation with a global perspective. Wang reiterated that following the principle of putting people and their

lives first, Tsinghua University has been committed to the development of public health and the showcasing of Chinese expertise in public health. He conveyed the hope that this forum delves into global public health issues, and promotes the integration and collaborative innovation across the entire spectrum of universities, research institutions, governments, professional organizations, healthcare systems, and supply chain companies. It is hoped that all parties, guided by the principle of building a community with a shared future for mankind, can shoulder their historical responsibilities and meet the challenges of our times, and strive to build a healthy China, achieve "Universal Health Coverage", and promote the building of a global community of health for all.



Wang Shi highlighted Vanke Group's cultural values and their connection to public health safety and global climate change. He underlined the strong bond between Vanke Group and Tsinghua University, both committed to promoting green and low-carbon development and supporting public health development. Through VSPH, Vanke aims to continue contributing to scientific research related to human health and improving living environments to safeguard public health.



Margaret Chan emphasized the active exploration of pandemic response and challenges, not merely reflecting on past hardships but also embarking on a path that focuses on strengthening prevention, building resilience, and unwavering dedication to fairness. She outlined three key aspects to address pandemic challenges, including building a robust and adaptable healthcare system, advancing global cooperation, improving the global health governance framework, and harnessing scientific innovation for enhanced monitoring and precision.



Lei Haichao emphasized the importance of a strong public health system as a defense against major epidemics. He called for the integration of medical and health prevention, stronger links between disease control departments and communities, and improvements in early detection and monitoring. Lei also highlighted the need for increased investment in healthcare innovation and the development of a comprehensive legal framework in public health.



Following the subsequent plenary session, discussions revolved around the forum's theme, including the summary of experiences in pandemic response, sharing of preparedness actions by various countries, methods of global collaboration, and innovative health strategies of different nations. The plenary session was moderated by Liang Wannian, executive vice dean of VSPH and dean of Tsinghua Institute of Healthy China.



Sun Yang shared China's experiences in pandemic prevention and discussed new developments in monitoring, early warning, and emergency response in four aspects. He proposed four key aspects for effective pandemic prevention and control, including promoting high-quality disease control, expanding monitoring and early warning, improving plans and preparedness, and establishing a global system for responding to public health emergencies.



Christopher Elias, President of Global Development Division of the Bill & Melinda Gates Foundation, based on the Global Preparedness Monitoring Board's work and annual report, issued four calls to address the global pandemic preparedness challenges: strengthening the monitoring and accountability framework, improving funding through corporate partnerships for sustainability and equity, enhancing collaborative research and innovation, and promoting cross-departmental coordination and cooperation.



Richard Horton, Editor-in-Chief of the Lancet, stressed in his keynote speech video that pandemics are a result of complex interactions between biology and society, requiring an interdisciplinary approach for understanding. He also highlighted the importance of high-quality public health systems, improving population health, and reducing societal inequalities to address concurrent epidemics effectively.



Margaret Chan reflected on her experiences in the field of public health and presented the following key points: firm and robust policy support is essential to swiftly respond to public health crises; strong scientific research provides the basis for effective actions; a resilient public health system is critical for achieving universal health coverage; and nurturing young leaders in public health is a vital force to address future public health challenges.



Harvey Fineberg emphasized the importance of balancing national interests and global equity in pandemic preparedness, urging discussions and resource allocation for greater equality. He also stressed the responsibility of scientists to provide honest, evidence-based information to the public and highlighted the long-term investment in health and human security as a priority.

The forum includes a plenary session, three sub-forums, and a youth forum over two days, addressing the pressing concerns amidst the evolving global health landscape. Over 150 guests from 14 countries and regions deliver 42 high-level keynote speeches and participating in engaging discussions.

On November 3rd, preceding the World Health Forum, the 2023 Meeting of the Tsinghua Vanke School of Public Health (VSPH) International Advisory Board (IAB) convened.

Held at Tsinghua University, the meeting featured keynote speeches by Qiu Yong, chairman of the University Council, and Margaret Chan, former director-general of the World Health Organization (WHO) and founding dean of VSPH. Thirteen distinguished members of the board, alongside invited experts, engaged in pre-forum deliberations, with the Opening Ceremony managed by Wang Kaibo, vice dean of VSPH.

About the World Health Forum

The World Health Forum was initiated by Tsinghua University in 2021. It provides a platform for dialogue, academic exchange and experience sharing, to strengthen capacity building and system building of global health governance, and to contribute to the UN 2030 Agenda for Sustainable Development and the building of a global community of health for all.



Modern Governance Forum held

The Modern Governance Forum, sponsored by Tsinghua University and the Chinese Public Administration Society and organized by the School of Public Policy and Management at Tsinghua University (Tsinghua SPPM), was held at Tsinghua University on the evening of November 11.

Gao Yunlong, vice chairman of the 14th CPPCC National Committee, chairman of the All-China Federation of Industry and Commerce, and president of the All-China Chamber of Industry and Commerce; Wang Xiqin, president of Tsinghua University; Li Baorong, president of the Chinese Public Administration Society; John L. Thornton, executive chairman of Barrick Gold Corporation and co-chair of the Board of Trustees of the Asia Society, attended the opening and delivered speeches. Peng Gang, vice president and provost of Tsinghua University, presided over the opening of the event.



In his speech, Gao Yunlong shared that promoting high-quality development through modern governance requires a high-level talent system; constructing a modernized nation necessitates actively building a fair, just, inclusive, and unified talent development ecosystem; fostering a new development pattern through modern governance requires more in-depth communication and cooperation; establishing cross-disciplinary, diverse, and effective communication

mechanisms can better assist decision-making, promote inclusive development, and facilitate diverse progress; promoting high-level opening-up through modern governance requires a broader global vision. It is essential to actively advocate an open-minded approach, to foster the formation of a high-level opening-up environment, to seek systematic solutions for global development and governance, and to create a globally oriented open development ecosystem. He hopes that Tsinghua SPPM continues building a robust platform for communication and cooperation, forming public governance consensus with a global vision, and making greater contributions to China's modernization and the building of a global community with a shared future.



Wang Xiqin welcomed guests attending the forum. He pointed out that achieving modernization is a common goal diligently pursued by countries worldwide in modern times. The forum, themed "Modernization and Global Public Governance," aims to explore how to create a more open, inclusive, collaborative, and diverse governance model during the modernization process, effectively addressing global challenges and promoting global development. Universities must actively play a role and take initiative, providing talent support, solutions, and spiritual strength for modernization and global public

governance. Looking ahead, he pledged Tsinghua University will focus on constructing an indigenous knowledge system in the context of Chinese-style modernization, explore new paradigms for national governance and global governance in the new era, facilitate candid dialogue and cooperation among scholars and administrators from various countries, and contribute to building a more open, inclusive, and effective global governance framework.

Li Baorong stated that the Communist Party of China (CPC) attaches great importance to the issue of modernizing national governance. Since the 18th National Congress, the CPC Central Committee with Comrade Xi Jinping at its core has formulated a series of top-level designs, focusing on accelerating the building of a service-oriented government that satisfies the people, further clarifying the relationship between the government and the market and enhancing the efficiency of government governance. The advent of the digital era provides a historic opportunity for the development of the discipline of public administration. It is necessary to further leverage practical applications and advance the theoretical construction and practical innovation of governance modernization through methods such as investigative research, policy recommendations, talent cultivation, and social services.





John L. Thornton expressed the hope that Tsinghua SPPM could establish a global repository and platform that gathers high-quality policy recommendations and showcases the best practices of Chinese government governance. He envisions creating a more accessible channel for knowledge acquisition, becoming a center and hub for the world to perceive and understand China, continuously enhancing its discourse power in the global public governance system.



Following the opening ceremony, two sub-forums were held with the themes "Governance Modernization and State Development" and "Public Governance and Global Governance". Zheng Yaodong, executive vice president and secretary-general of the 8th Council of the Chinese Public Administration Society, and Peng Zongchao, secretary of the CPC Tsinghua SPPM Committee presided over the sub-forums, respectively.



Zhu Xufeng, dean of Tsinghua SPPM and vice president of the Chinese Public Administration Society, provided a summary of the forum to conclude the event. He expressed gratitude to all the distinguished guests, experts, and scholars who attended the event.



The forum is one of the series of events for the 2022 Tsinghua SPPM Global Advisory Board (GAB) Meeting, with the theme "Modernization and Global Public Governance."

On November 11th, 2023, ahead of the much-anticipated Modern Governance

Forum, Tsinghua University School of Public Policy and Management (Tsinghua SPPM) convened its 2023 Global Advisory Board Meeting. With the theme "Modernization and Global Public Governance," this precursor meeting saw active participation from luminaries such as Gu Shengzu, vice chairman

of the 13th National Committee of the Chinese People's Political Consultative Conference (CPPCC), and Qiu Yong, chairman of Tsinghua University Council. A highlight of the meeting was the keynote address by Lou Jiwei, Former Minister of Finance of the PRC, setting a scholarly tone for the subsequent forum.

China launches ultra-high-speed next-generation Internet backbone

BEIJING, Nov. 13 (Xinhua) – China has launched the world's first ultra-high-speed next-generation Internet backbone with a bandwidth of 1,200G bits per second (1.2T), according to a press conference held at Tsinghua University in Beijing on Monday.

The ultra-high-speed next-generation Internet backbone, jointly developed by the Tsinghua University, China Mobile, HUAWEI and CERNET.com Corporation, boasts a total transmission network spanning more than 3,000 kilometers linking the three cities of Beijing, Wuhan and Guangzhou.

The FITI backbone is a major technological achievement of the national Future Internet Technology Infrastructure (FITI) project. Since its trial operation on July 31 this year, the FITI backbone has been running stably and reliably, successfully passing various tests.

The FITI backbone is operated based on China's domestically-owned key technologies such as the next-generation Internet core router 1.2T ultra-high-speed IPv6 interface and the ultra-high-speed multi-path aggregation. Both the software and hardware of the

FITI backbone are made domestically.

The FITI, built by 40 Chinese universities including Tsinghua University, is based on IPv6 technology. The core nodes of its high-performance backbone network are distributed in 40 universities in 35 cities across the country.

In April 2021, the high-performance backbone network of the FITI started operation, achieving interconnection with IPv4/IPv6 test facilities both at home and abroad.

2023 Global Youth Climate Week to advance youth-led climate action

The 2023 Global Youth Climate Week was launched on November 20th, marking the commencement of a five-day spectacular journey led by young people worldwide dedicated to advancing global climate action.

The Global Youth Climate Week Launching Ceremony was organized by the Global Alliance of Universities on Climate (GAUC) at Tsinghua University. Scheduled a week ahead of each COP, this international mechanism calls on global youth to pool their climate actions to facilitate progress in global climate governance and the success of each UN Climate Change Conference. The

ceremony also featured the 2023 Global Youth Summit on Net-zero Future, co-hosted by GAUC and UNESCO.

Wang Hongwei, Vice President of Tsinghua University, and Shahbaz Khan, Director of UNESCO Regional Office for East Asia, addressed the ceremony. The event was also honored with remarks from XIE Zhenhua, Special Envoy for Climate Change of China, announced by Li Zheng, Secretary-General of GAUC, who moderated the event.

In his opening remarks, Wang Hongwei stated, "The 2023 Global Youth Climate Week engages an even broader



spectrum of multi-stakeholders around the world. I am proud to share that in the following days, Tsinghua University will host the second Tsinghua Climate Week." He also mentioned the specific actions of GAUC by training local youth climate leaders, leveraging Asian Universities Alliance's regional strength in tackling the continent's unique climate issues, and the collaboration with UNESCO and global organizations.



Xie Zhenhua stated in his remarks to the 2023 Week, "COP28 emphasizes implementation and action. It marks the first time the global community will comprehensively review the implementation of the Paris Agreement. Despite the multiple differences and challenges faced by various parties, it is crucial to adhere to the principles and framework of the Paris Agreement. I hope young people can fully grasp the global trend, actively seek solutions for global climate governance, and achieve self-fulfillment in the process."



"The Global Youth Climate Week is a vital initiative as it links to the United Nations' Sustainable Development Goals (SDGs)," said Shahbaz Khan. "I strongly believe that within our lifetimes, there is hope for a world where we have solved issues like climate change issues, water scarcity, food shortages, poverty, and where no one is left behind."

The ceremony continued with great anticipation as it unveiled the "Message to Youth" video, a poignant and inspirational testament to the unwavering commitment of global climate leaders to the future leaders of our world. In this stirring video message, esteemed figures from the forefront of the climate movement shared their heartfelt encouragement and high expectations for the Global Youth Climate Week.

UN Special Adviser to the Secretary-General on Climate Action Selwin Hart, Former French Climate Change Ambassador and Special Representative for COP21 Laurence Tubiana, Former Peru Minister of Environment Manuel Pulgar-Vidal, Former President of Ireland



Mary Robinson, Singapore Minister for Sustainability and the Environment Grace Hai Yien Fu, Former Executive Secretary of UNFCCC Patricia Espinosa, Former US Special Envoy for Climate Change Jonathan Pershing, Director General of IRENA Francesco La Camera (Left-right, up-down).



Alice HO, the Chief Youth Officer of GAUC, presented the history and highlight of the 2023 Global Youth Climate Week.

The launch ceremony of the Week 2023 was followed by the 2023 Global Youth Summit on Net-Zero Future (the Summit), one of the flagship projects of the Week. Ahead of the event, the Summit received close to 300 innovative solutions regarding the four topics from global college students, namely the synergies between climate change

Recognizing the obstacles youth face in advancing climate solutions, GAUC proposed the establishment of the Week to the secretariat of the United Nations Framework Convention on Climate Change (UNFCCC) in February 2022, co-initiating it with over 100 global partners. The then UNFCCC Executive Secretary Patricia Espinosa praised the Week as "an impactful contribution to the UNFCCC process."

Leveraging GAUC's "Climate x" Campaign 2023, the second Global Youth Climate Week features the launch of its official website and registered events by close to 1000 college students from over 300 universities in 74 countries and regions. These students, enrolled in GAUC's 2023 "Climate x" Leadership Training Program, have participated in interdisciplinary lectures and organized around 200 events ahead of the Week, impacting over 20,000 people in their local communities.

and clean power, health, disaster, and sustainable fashion. 10 outstanding young innovators were selected to join the panel discussions of the Summit, where they exchange ideas with leading experts from academia and industry. Enterprise executives and experts from Mercedes-Benz, Kering Group, World Health Organization, Institute of Geographic Sciences and Natural Resources Research, GE Healthcare, Amazon Web Services, and PIESAT conducted in-depth exchanges with young innovators.

Reflecting the "By Youth, For Youth" spirit of this climate festival, the Summit was a youth-led event designed and organized by a committee composed of students from GAUC's "Climate x" Training Program, representing 10 universities in seven countries.

For more events during the Global Youth Climate Week, visit: globalyouthclimateweek.org



Uruguayan president visits Tsinghua

On November 21, Uruguayan President Luis Lacalle Pou visited Tsinghua University and delivered a speech. Tsinghua University President Wang Xiqin met with President Lacalle later the same day.



Wang extended a warm welcome to President Lacalle and his delegation. He noted that this year marks the 35th anniversary of the establishment of diplomatic relations between China and Uruguay, as well as the 10th anniversary of the Belt and Road Initiative. Despite the geographical distance between China and Uruguay, the people of the two countries have a long and enduring friendship. Tsinghua University has always placed great importance on exchanges with Uruguay and other Latin American and Caribbean countries,

and has carried out highly effective cooperation in various fields. Looking to the future, Wang expressed the hope to further expand exchanges and cooperation with Uruguay in the fields of education, science and technology, and people-to-people exchange, thereby making greater contributions to promoting China-Uruguay cooperation, world peace and development, and the building of a community with a shared future for mankind.



In his speech, President Lacalle expressed his delight in visiting Tsinghua University and interacting with young students. He pointed out that the bilateral relations between Uruguay and China have developed very smoothly, with the relationship founded on solid mutual understanding and trust. President Lacalle remarked that young people carry the significant responsibility of leading humanity towards a better future while also protecting our planet and environment. The concepts of green development and sustainable development are increasingly accepted among young people, and our world requires more cooperation.



After his speech, President Lacalle engaged in a Q&A session with the students, presided by Tsinghua Vice-President Wang Hongwei. This interactive session was followed by his meeting with Wang Xiqin.

In their meeting, Wang briefly introduced the University's history, its focus

on student development, extensive research initiatives, and strategic international collaborations. He also conveyed a strong interest in deepening educational, technological, and people-to-people exchange between Uruguay and Tsinghua University.

President Lacalle emphasized the pivotal role of universities as centers of knowledge and scientific advancement, highlighting their significant contribution to youth development and cultural exchanges. He advocated for the strengthening of ties between Uruguayan and Chinese universities, to foster greater opportunities for Uruguayan students to study in China.

The meeting was also attended by Huang Yazhong, China's ambassador to Uruguay; Wang Hongwei; Xu Yue,



counselor of the Department of Latin American and Caribbean Affairs, Ministry of Foreign Affairs; and heads of Tsinghua University's Office of International Affairs and Latin America Center.

Tsinghua established its Latin America Center in 2018 which serves as a vital

platform for collaboration with local governments, academia, think tanks, and businesses in the region. This initiative reflects Tsinghua's commitment to expanding academic research, student development, cultural exchanges, and innovation in science and technology.



Tsinghua Professor Zhang Qiang awarded Young Scientist SDGs Award at 2023 WYSS

Professor Zhang Qiang from the Department of Chemical Engineering at Tsinghua University was recently honored with the inaugural Young Scientist SDGs Award. The award was announced at the 2023 World Young Scientist Summit (WYSS), held from November 11 to 12 in Wenzhou, Zhejiang province.

This award recognizes young scientists who have made innovative contributions to achieving the United Nations Sustainable Development Goals.

Zhang was selected from 80 nominees across 35 countries and regions for his groundbreaking work in lithium bond chemistry and electrochemical energy storage, contributing significantly

to the development and application of advanced energy materials. His research supports clean, safe, and cost-effective energy solutions, promoting sustainable development at both global and local scales. Three young talents from around the world, including Zhang, were awarded.

The Young Scientist SDGs Award, aligned with the United Nations' 17 Sustainable Development Goals, covers seven areas: Zero Hunger, Clean Water and Sanitation, Affordable and Clean Energy, Sustainable Cities and Communities, Climate Action, Life Below Water and Life on Land.

Initiated this year, the award is to be annually conferred by a select scientific

committee and judging committee during the WYSS, and aims to spotlight young scientists for their innovative efforts towards a sustainable future.



Tsinghua professors and alumni selected as academicians

As China's two elite science and technology institutes, the Chinese Academy of Sciences (CAS) and the Chinese Academy of Engineering (CAE) announced their results in the biennial selection of new academicians on November 22, with six professors and five alumni of Tsinghua University being granted the highest academic title in the country. Two alumni were enlisted foreign academicians.

Tsinghua professors including Li Luming from the School of Aerospace Engineering; Shi Songhai from the School of Life Sciences; Hu Shimin from the Department of Computer Science and Technology; Duan Luming from the Institute for Interdisciplinary Information Sciences; and Yan Ning from the School of Life Sciences were selected as academicians of the CAS. Professor Lyu Junfu from the Department of Energy and Power Engineering was selected as an academician of the CAE.



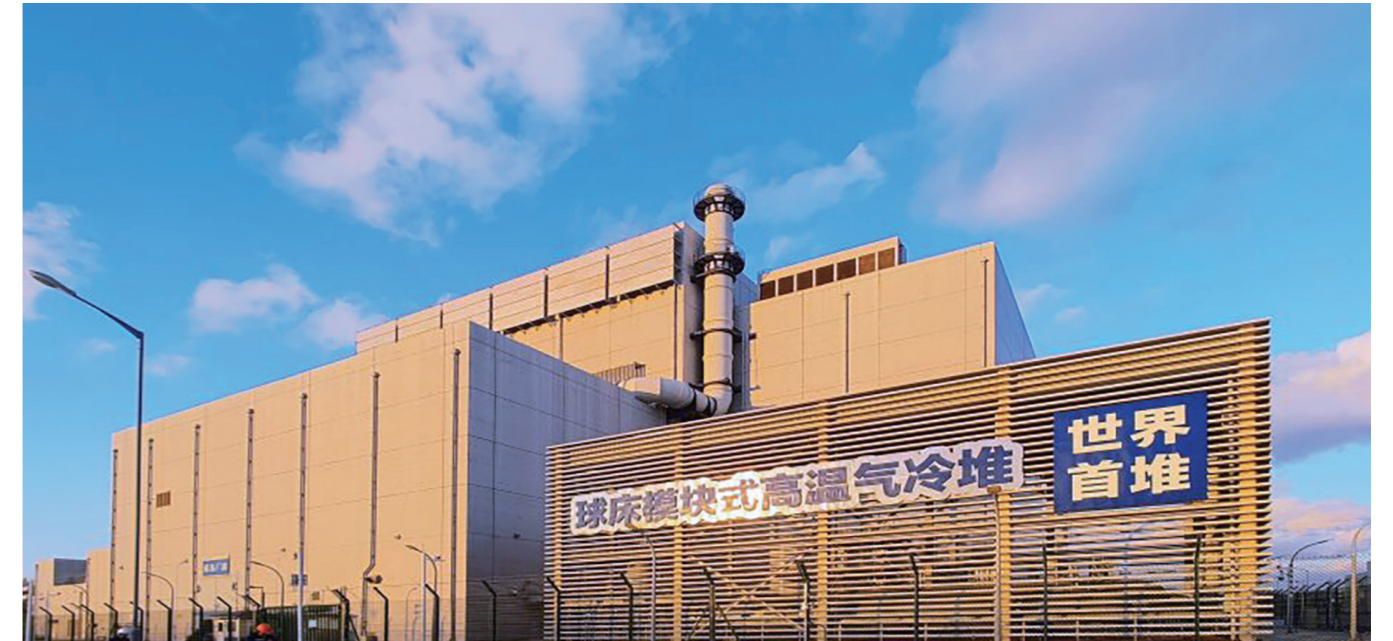
Tsinghua alumni Zhang Rongqiao, a Master's degree graduate of the School of Economics and Management, was selected as an academician of the CAS. Xing Feng, a Bachelor's degree graduate of the Department of Chemical Engineering and Ph.D. graduate of the Department of Civil Engineering;

Li Jindong, a Ph.D. graduate of the Department of Engineering Mechanics; Yu Gang, a faculty member at the School of Environment from 1992 to 2022; and Pan Yishan, a Ph.D. graduate of the Department of Engineering Mechanics were selected as academicians of the CAE.

Additionally, Zhang Jianwei, a Bachelor's degree and Master's degree graduate of the Department of Computer Science and Technology, and Kang Jian, a Bachelor's degree and Master's degree graduate of the Department of Architecture, were selected as foreign academicians of the CAE.



Chinese HTR-PM Demo begins commercial operation



Following a 168-hour demonstration run, HTR-PM (High Temperature gas-cooled Reactor Pebble-bed Module) Demo in Shidao Bay, Shandong Province of China, the world's first modular high temperature gas-cooled reactor nuclear power plant, entered commercial operation on December 6, China's National Energy Administration (NEA) has announced.

The plant consists of two HTR-PM reactor modules and a common steam turbine. The construction permit was issued, and the first concrete was poured on December 9, 2012. The operation permit was granted on August 20, 2021, and the plant was connected to the grid on December 20, 2021. It is operating at 2×200MWt power currently. The plant employs more than 2,200 sets of first-of-a-kind equipment, and more than 660 sets of innovative equipment. The supporting fuel element production line has the largest production capacity in the world.

The HTR-PM Demo project is a collaborative effort of Tsinghua University as a technical leader, responsible for R&D and main components and systems design, China Huaneng Group Co. as the owner and operator of the plant, and China National Nuclear Co. (CNNC) as the Engineering, Procurement, and Construction (EPC) contractor and the fuel manufacturer. Professor Zhang Zuoyi, the director of Institute of Nuclear and New Energy Technology (INET), Tsinghua University, is the chief scientist and chief engineer of the project.

HTR-PM is a Generation IV nuclear energy technology and a Small Modular Reactor. Two safety demonstration tests were conducted on the two reactor modules, each at a power of 200MWt, on August 13 and September 1, respectively. The normal energy transfer driven by power was stopped during the tests. The measured nuclear power and

temperatures within the different reactor structures, described how the reactors were naturally cooled down, without human intervention or emergency core cooling systems. The tests confirmed that commercial-scale reactors could be cooled down naturally without emergency core cooling systems for the first time in the world. It is the so-called inherently safe reactor.

The major purpose of HTR-PM is to co-generate high temperature steam up to 500°C and electricity. It is currently cost-effective in the Chinese market to supply steam and electricity for the petrochemical industry to substitute the burning of natural gas and coal. This breakthrough technology is recognized to play a positive role in optimizing energy structure and achieving China's "dual carbon" goal. Several commercial projects are under preparation in China.

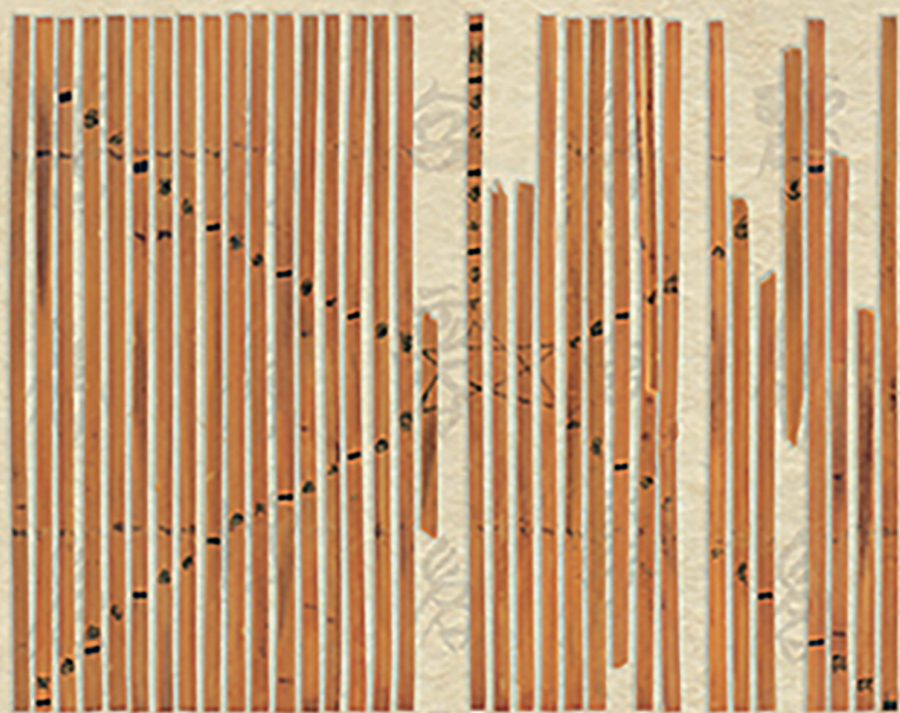
Report on the Communist Party of China and the Great Rejuvenation of the Chinese Nation delivered at Tsinghua

Xie Chuntao, vice president of the Party School of the CPC Central Committee (National Academy of Governance), delivered a report titled "The Communist Party of China and the Great Rejuvenation of the Chinese Nation" at the New Tsinghua Auditorium on December 10. Qiu Yong, secretary of the CPC Tsinghua University Committee, delivered a speech. Wang Xiqin, Tsinghua president and deputy secretary of the CPC Tsinghua University Committee and other university leaders attended the report meeting. Party members from across the University attended the report meeting in the main venue and branch venues.



Xie Chuntao, vice president of the Party School of the CPC Central Committee (National Academy of Governance), delivers a report titled "The Communist Party of China and the Great Rejuvenation of the Chinese Nation" at the New Tsinghua Auditorium of the University.





The Tsinghua University Warring States Bamboo Manuscripts 13 Book Launch held in Beijing

The Book Launch for *The Tsinghua University Warring States Bamboo Manuscripts 13* 清华大学藏战国竹简 (拾叁) (Volume 13) was held on December 10th at the Meng Minwei Humanities Building, Tsinghua University. The event was attended by over 100 scholars and experts from Tsinghua and academic institutions across China. In addition, the event was broadcasted globally in collaboration with XuetangX, and attracted renowned international and Chinese scholars with more than 1,400,000 views online.

Volume 13 reports five Warring States bamboo manuscripts, respectively titled

Dafu shili 大夫食礼 "The Great Officers Rites of Banquet," *Dafu shili ji* 大夫食礼记 "Addendum to the Great Officers Rites of Banquet," *Wuyin tu* 五音图 "Chart of the Five Tones," *Yue feng* 乐风 "Airs of Music," *Wei tian yong shen* 畏天用身 "Fearing Heaven, Using the Body." These previously lost manuscripts not seen in the transmitted record offer new evidence for the research in Pre-Qin ritual system, musicology, and philosophy.

The two ritual texts, *Dafu shili* and *Dafu shili ji*, prove to be the most attractive ones. Bonded as one scroll, the two texts are written on 51 and 14 slips. While the

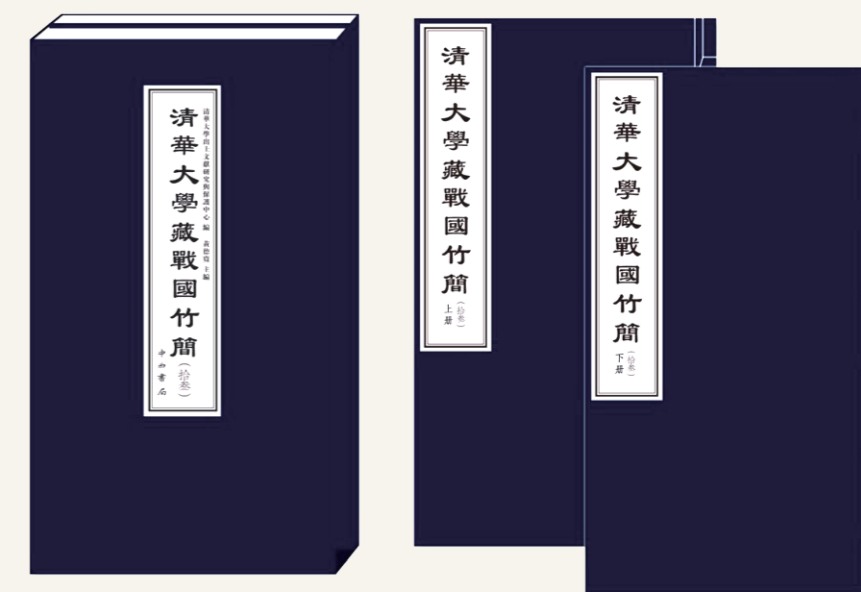
former documents the ritual proprieties ought to be practiced by the hosts and receptionists during the "rite of dining," the latter records the details of the ritual procedure enforced by the managers of affairs involved in the same rite. Complementary to one another, the texts read similar to *Yi li* 仪礼 Ceremonies and Rites. Specifically, the documented ritual procedure shows great resemblance with that in the "Gong shi dafu li" 公食大夫礼 "Rite of the Lord Having a Banquet with the Great Officers." Unseen before among the Warring States bamboo manuscripts, the two texts not only preserve the prototype of ritual texts from that period, but also reveal some

key features of the great officers rites of banquet in the ancient Chu state (楚国), making them valuable sources for studies on the Pre-Qin ritual system and the ancient classic, *Yi li*.

The two musicological texts are equal in their significance. A pentagram is drawn at the center of *Wuyin tu*. Its upper point matches the note names of the *gong* 宫-group notes, then moving counter-clockwise, the other four points correspond to the *shang* 商, *jue* 角, *zheng/zhi* 征, and *yu* 羽 groups. The pentagram is formed by connecting lines between five pairs of tones: "gong (do) – zhi (so)," "zhi(so) – shang (re)," "shang (re) – yu (la)," "yu (la) – jue (mi)," "jue (mi) – gong (do)," illustrating the generation of the pentatonic scale. The rule of generating the five tones follows the method of *sanfen sunyi* 三分损益, known as "Spiral of the Fifth" in the West, namely "method of obtaining tones by subtracting or adding the third part." Such order of the five-tone-generation is consistent with the records in transmitted texts such as *Guanzi* 管子 and *Huainanzi* 淮南子. Another text, *Yue feng* contains two sections. Whereas the first section records pitch names, the nature of the second section is yet to be determined. These two musicological texts shed lights on the musical theory and history of music of Early China.

Wei tian yong shen is a philosophical text written on 17 slips with no missing content. It discusses the relationship between heaven and man and the manifestation of human subjectivity. The text promotes the concept of human agency and embodies the proactive spirit of the Warring States period. It provides new literature for the study of the pre-Qin history of thoughts.

The Book Launch was chaired by Professor Liu Guozhong, Deputy Director



of the Research and Conservation Center for Unearthed Texts (the Center). Yang Yongheng, Director of the Humanities Development Office at Tsinghua University, highly praised the conservation of the Tsinghua Bamboo Manuscripts. Qin Zhihua, President of Shanghai Cishu Publishing House and Zhong-Xi Bookstore, introduced the editing and publishing status of *The Tsinghua University Warring States Bamboo Manuscripts 13*. Three young teachers from the Center, Ma Nan, Jia Lianxiang, and Shi Xiaoli, respectively interpreted the five aforementioned documents. Assistant Director of the Center, Cheng Hao, representing Professor Huang Dekuan, the chief editor, presented an overview of the research and organization of *The Tsinghua University Warring States Bamboo Manuscripts 13* and moderated the Q&A session with scholars and journalists in attendance.

Today, 13 volumes of organized reports on the Tsinghua Bamboo Manuscripts, in the collection of Tsinghua University since 2008, have been successfully published under the leadership of Mr. Li Xueqin and Mr. Huang Dekuan. The efficient and high-quality work of the conservation team has received widespread recognition in academic fields and has been highly valued by overseas sinologists. During the Book Launch the Center announced that the conservation of the Tsinghua Bamboo Manuscripts has entered a crucial stage. The conservation team will overcome difficulties and ensure the annual publication progress, aiming to soon release these important materials to the public and academia.

Global MOOC and Online Education Conference 2023 held in Italy

Under the theme "Reconstruction of Future Universities and Education Driven by Artificial Intelligence," the 2023 Global MOOC and Online Education Conference was convened in Milan. This event, jointly hosted by the Global MOOC and Online Education Alliance and the UNESCO Institute for Information Technologies in Education and co-organized by Tsinghua University and Politecnico di Milano, brought together a distinguished gathering of experts and policymakers from over 20 countries, including China, Italy, the United States, Australia, France, the United Kingdom, Singapore, Chile, Indonesia, Thailand, and more. The conference focused on exploring the expanding influence of Artificial Intelligence in transforming higher education landscapes globally.

UNESCO's Vision for AI and Education

In her opening address, Stefania Giannini, UNESCO Assistant Director-General for Education, delved into the impact of the rapid development of generative AI in the educational sector.



The conference was brought to a meaningful close with remarks from Zhan Tao, Director of the UNESCO Institute for Information Technologies in Education. He celebrated the collective achievements of the conference, emphasizing the vital role of international cooperation in harnessing AI for the betterment of educational systems globally.



She underscored the need to address fundamental questions shaping the future of knowledge, education, and human learning in this era of digital transformation. Giannini highlighted UNESCO's dedicated efforts in collaborating with academic institutions, think tanks, and nations worldwide, focusing on developing comprehensive guidance on generative AI and establishing competency frameworks for students and teachers. She further recognized the vital role of the Global MOOC and Online Education Alliance in this journey, noting, "The Alliance has been a pivotal partner for UNESCO, driving forward innovative educational solutions globally."

China's Strategic Blueprint for Digital Education Advancement



Wu Yan, Vice Minister of the Ministry of Education, delivered an in-depth presentation on China's strategic initiatives in digital education. He detailed China's progression from fundamental infrastructural development to integrating intelligent technologies in teaching, exemplifying the nation's approach to enhancing connectivity, diversifying educational content, and fostering collaborative educational models.

In recent years, China has emerged as a leader in enhancing digital education, evidenced by its establishment of a more efficient, interconnected learning environment, the development of a diverse range of educational resources, and the implementation of extensive, smart technology-driven approaches across various educational settings. Wu Yan also emphasized China's dedication to international collaboration, envisioning joint efforts with global partners to navigate and capitalize on the opportunities presented by the

digital era. He anticipated transformative changes by fully embracing and utilizing digital technology – from revolutionizing student learning and teacher instruction to redefining educational governance and the broader educational ecosystem. This collaborative vision aims to contribute to developing a future for higher education that is more dynamic, inclusive, and of elevated quality.

Landmark Reports Released by Yang Bin and Giuliano Noci

During the Conference, Yang Bin, Vice President of Tsinghua University and Special Representative of the Chair of the Global MOOC and Online Education Alliance, and Giuliano Noci, Vice-Rector for China of Politecnico di Milano, jointly released the INFINITE POSSIBILITIES - Report on the Digital Development of Global Higher Education 2023 and The Digital Development Index of Global Higher Education 2023. The report represents the collective expertise of nearly 130 specialists from 36 leading global institutions on the future digital development of higher education. It offers a thorough exploration of the progressive stages of digital technology in the educational sector, delineates emerging educational models, projects forthcoming trends in this field, and proposes six strategic actions to address contemporary challenges in digital education.

The Index measures digital progress in higher education through key aspects: digital educational methods, school management models, administrative systems, and guarantee mechanisms. This tool is a valuable resource for countries to refine and advance their digital education strategies.



Expanding the Global Alliance

The conference marked the expansion of the Global MOOC and Online Education Alliance, including the UK's FutureLearn platform, the Indonesian Cyber Education Institute, and the National Autonomous University of Mexico. This growth reflects the Alliance's increasing influence and commitment to fostering global educational innovation.

Global Dialogue and Collaborative Insights

The conference featured discussions on empowering STEM education, promoting educational equity, enhancing teacher digital literacy, and utilizing AI to augment educational practices.

More than 60 esteemed experts, government officials, and practitioners engaged in dynamic discussions at the conference. They explored the nexus of AI and future skills in digital higher education, setting the tone for future

collaborations. The conference, attended by representatives from more than 70 universities, online platforms, and international organizations, underscored the importance of global dialogue in shaping the digital transformation of higher education.

About the Global MOOC and Online Education Alliance

The Global MOOC and Online Education Alliance is composed of members from 16 universities and five online education institutions, representing 15 countries across six continents. Its mission is to foster consensus on educational development, unite innovative efforts, share hands-on experiences, and deliver insights into technological progress. The Alliance is dedicated to promoting international collaboration and advancing the frontiers of online and MOOC-based education worldwide. The Secretariat of the Alliance was established at Tsinghua University, which also serves as the inaugural chairing institution.

Professor Li Luming appointed Tsinghua University President

Professor Li Luming was appointed President of Tsinghua University and Deputy Secretary of the CPC Tsinghua University Committee on December 22, with approval from the Central Committee of the Communist Party of China. Wang Xiqin will no longer serve as Tsinghua University President.

The announcement of the new president was made at a meeting held at Tsinghua University on December 22. Peng Jinhui, Deputy Director of the Organization Department of the CPC Central Committee, announced the

decision and delivered a speech. Chen Jie, Vice Minister of Education and member of the CPC Leading Group of Ministry of Education, You Jun, member of the Standing Committee of the CPC Beijing Municipal Committee, Director of the Organization Department of the CPC Beijing Municipal Committee, and Secretary of the Working Committee of the Beijing Municipal Education Commission attended the meeting and delivered speeches. Qiu Yong, Secretary of the CPC Tsinghua University Committee, hosted the meeting.



Professor Li Luming was born in February 1968. He is a Doctor of Engineering, a member of the Communist Party of China, and an academican of the Chinese Academy of Sciences. He has previously served as Vice President of Tsinghua University.





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