

TSINGHUA NEWSLETTER



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13th World Peace Forum opens at Tsinghua, Chinese vice president addresses the forum

The 13th World Peace Forum, jointly organized by Tsinghua University and the Chinese People's Institute of Foreign Affairs, opened in Beijing on July 3. Chinese Vice President Han Zheng delivered a keynote speech at the opening ceremony.

The forum is themed "Advancing Global Peace and Prosperity: Shared Responsibility, Benefit, and Achievement." Liu Jianchao, Minister of the International Department of the CPC Central Committee, delivered a speech.

Former Japanese Prime Minister Yukio Hatoyama, former Belgian Prime Minister and former President of the European Council Herman Van Rompuy, along with nearly 400 participants – including former foreign dignitaries, diplomatic envoys to China, and Chinese and international scholars – attended the opening ceremony.

Wang Chao, President of the Chinese People's Institute of Foreign Affairs; Qiu Yong, Secretary of the CPC Tsinghua University Committee, attended



Chinese Vice President Han Zheng addresses the opening ceremony of the 13th World Peace Forum on July 3, 2025.

the opening ceremony. Li Luming, President of Tsinghua University and Chairman of the World Peace Forum, delivered a welcome speech. Guo Yong, Deputy Secretary of the CPC Tsinghua University Committee, attended the forum, and Yang Bin, Vice Chancellor of Tsinghua University Council and Secretary-General of the World Peace Forum, presided over the opening ceremony.

Also attending the forum were Miao Deyu, Vice Minister of Foreign Affairs; Du Jiangfeng, Vice Minister of Education; Ai Ping, Vice-President of the Chinese Association for International Understanding; Cui Tiankai, former vice minister of Foreign Affairs; and Yu Hongjun, former vice minister of the International Department of the CPC Central Committee.

Chinese Vice President Han Zheng addressed the opening ceremony of the 13th World Peace Forum, calling for jointly safeguarding international fairness and justice, and improving the global governance system.

Noting that at present, the cause of world peace and development is facing severe challenges, Han said Chinese President Xi Jinping has put forward a series of proposals, including building a community with a shared future for humanity and the Global Development Initiative, the Global Security Initiative and the Global Civilization Initiative, providing a Chinese solution to major issues concerning human peace and development.

This year marks the 80th anniversary of the victory of the Chinese People's War of Resistance against Japanese Aggression and the World Anti-Fascist War, as well as the 80th anniversary of the founding of the United Nations. Han said, adding that China is willing to work with all countries to promote world peace and prosperity and build a better world together.

He put forward four proposals. First, learning from history and jointly safeguarding the post-war international order, as well as international fairness and justice. Second, adhering to solidarity and cooperation in order to improve global governance. Third, promoting openness and cooperation to drive global prosperity and development.

Fourth, standing together in solidarity and jointly advancing toward modernization.

Han also urged that development be placed at the center of the international agenda, with a committed focus on addressing the concerns of developing countries and solving the problem of inequality and imbalance in global development.

In his speech, Liu Jianchao stated that peace and security have always been major themes and key variables in the development of human civilization, and they remain the most urgent and complex global challenges facing the world today. War and turmoil should not be humanity's destiny; lasting peace is the shore we strive for. China's adherence to the path of peaceful development stems from its own cultural heritage, the demands of the times, and its national strategic choices, and also the inevitable path forward under the concept of a community with a shared future.

He called on more and more countries to embrace a proper understanding of security and follow the path of peaceful development, and integrate the concept of a community with a shared future and the adherence to the path of peaceful development into national security and development strategies as well as policy choices. Only through concrete actions and joint efforts can we address security challenges and work toward lasting peace.

Li Luming stated that since its inception, the World Peace Forum has consistently focused on major issues concerning the future and destiny of the world, and well-being of humanity such as peace, security, and cooperation. The forum has aimed to provide new ideas and explore new approaches to contribute to global peace and security. He hoped the forum guests would engage in in-depth discussions, jointly assessing the future direction of the international order, promoting exchanges and cooperation through practical actions, enhancing mutual understanding, and contributing to world peace and development and the building of a community with a shared future for mankind.

Yukio Hatoyama emphasized that peace can be achieved not by using force,



The venue of the 13th World Peace Forum

but through dialogue, and the forum bears great significance in this regard.

Herman Van Rompuy emphasized that maintaining or rebuilding trust relies on both bilateral and multilateral dialogue. Even in the presence of disagreements, dialogue remains essential.

The three-day forum comprises four major plenary sessions and 18 panel discussions and touches on topics such as international order and world peace, pan-securitization and global security predicament,

the role of the global south in world peace and prosperity, and major power coordination and conflict resolution.

The forum aims to harness global wisdom to explore ways to strengthen international cooperation, jointly shoulder the responsibility of safeguarding peace and promoting development, share the opportunities brought by globalization, and bring about common prosperity and lasting peace for all countries.

Celebrating 100 years of Tsinghua Academy of Chinese Learning

The opening ceremony of Chinese Cultural Subjectivity, World Vision: Centennial Symposium on the Tsinghua Academy of Chinese Learning and the Inheritance and Development of Chinese Civilization took place at the Tsinghua University Auditorium on Tuesday, September 9.

At the opening ceremony, several authoritative figures delivered keynote speeches, including Sun Chunlan, President of the International Confucian Association; Xu Qingsen, Member of the CPC Leading Group and Vice Minister of the Ministry of Education; Qiu Yong, Secretary of the CPC Tsinghua University Committee; and Zhang Zhiqiang, Director of the Institute of Philosophy, Chinese Academy of Social Sciences. Also among the speakers was Chen Lai, who serves as Vice President of the International Confucian Association, Distinguished Professor of Arts, Humanities, and Social Sciences at Tsinghua University, and Dean of the Tsinghua Academy of Chinese Learning. The event was chaired by Peng Gang, Vice President of Tsinghua University.

Sun Chunlan noted that the century-long history of Tsinghua Academy of Chinese Learning has always been closely linked to the pressing issues of Chinese civilization in modern times. A hundred years ago, the Academy consciously undertook the historical mission of carrying forward Chinese civilization and restoring cultural confidence, making important contributions through a new research paradigm and outstanding achievements in talent cultivation.

Since its reestablishment, the Tsinghua Academy of Chinese Learning has focused on the country's top priorities, advancing the creative transformation and innovative development of China's outstanding traditional culture. It has actively contributed Tsinghua's wisdom in the development of philosophy and social sciences with Chinese characteristics, demonstrating the sense of mission and responsibility of Chinese studies in the new era.

According to Sun Chunlan, accelerating the creation of an independent knowledge system

in China's philosophy and social sciences is not only a crucial part of cultural development but also a necessary prerequisite for advancing the prosperity of Chinese culture and realizing the great rejuvenation of the Chinese nation on the new journey in the new era.

Sun Chunlan emphasized the need to thoroughly study and implement Xi Jinping's Thought on Culture, with a focus on putting the "two integrations" into practice. These "two integrations" refer to blending the basic tenets of Marxism with China's specific realities and fine traditional culture. She further stressed to always uphold the cultural lifeblood, and to adhere to Marxism as the guiding principle. She stressed the importance of grounding efforts in the great practice of Chinese path to modernization, while exploring the development of original knowledge, concepts, methods, propositions, and theories.

Sun Chunlan called for efforts to preserve China's cultural roots, thoroughly explore the profound philosophical ideas, humanistic spirit, educational concepts, and moral values embedded in China's outstanding traditional culture, and further transform these precious cultural elements into intellectual resources that underpin the development of an independent knowledge system.

Sun Chunlan also called for extensive engagement with international philosophy and social sciences, fostering a knowledge production framework that integrates Chinese and Western traditions and connects the past with the present. She emphasized promoting the global dissemination of Chinese scholarship through international academic exchanges and dialogues among civilizations.

Sun Chunlan emphasized proactively advancing the deep integration of modern information technology with humanities research, expanding innovative pathways for an independent knowledge system, and continuously generating major landmark achievements.



The opening ceremony

Sun Chunlan stated that the International Confucian Association looks forward to further deepening cooperation with Tsinghua University, the Tsinghua Academy of Chinese Learning, and a broad range of experts and scholars, courageously shouldering new cultural missions, and jointly making greater contributions to building up China's cultural strength and advancing the construction of a community with a shared future for humanity.

Xu Qingsen stated that the century-long practical exploration of the Tsinghua Academy of Chinese Learning profoundly demonstrates that only by rooting itself in China can the cultural foundation

of an independent knowledge system be solidly established. Only by addressing the questions of the times can the innovative vitality of the system be stimulated and only by embracing a global perspective can its international influence be expanded.

Xu Qingsen hoped that the Tsinghua Academy of Chinese Learning would build on its profound academic heritage and distinctive educational characteristics, contribute to the development of a philosophy and social sciences system with Chinese characteristics, and help build a leading country in education and realize the great rejuvenation of the Chinese nation.

Qiu Yong remarked that the centennial journey of the Tsinghua Academy of Chinese Learning represents not only a diligent history of scholarly pursuit, but also a spiritual continuum in the inheritance of Chinese cultural traditions.

Qiu Yong stated that looking to the future, the Academy should earnestly study and thoroughly implement the spirit of General Secretary Xi Jinping's important speech, and further deepen the principle of being "Chinese Cultural Subjectivity" while broadening its "World Vision". Qiu Yong emphasized that the Academy should innovate while inheriting tradition, uphold integrity while embracing openness, and ensure that the humanities and sciences advance together, with tradition and modernity in harmony.

Qiu Yong stressed that in the grand historical process of building a strong nation and realizing national rejuvenation, the Academy should continue to write magnificent chapters on "saving the nation through culture," "loving the nation through culture," and "strengthening the nation through culture," while continuously contributing Tsinghua's strength in the construction of a community with a shared future for humanity.

Zhang Zhiqiang said that the Tsinghua Academy of Chinese Learning's century-long history is one of constantly writing and researching to pursue the great way. Zhang Zhiqiang pointed out that making scholarship a means of exploring the path of civilization across different eras has become a tradition of the Academy.

Chen Lai noted that the Academy will adhere to the principle of "Chinese Cultural Subjectivity, World Vision" and shoulder the mission in this era of promoting the "creative transformation and innovative development" of Chinese culture.

The symposium aims to review the illustrious history of the Tsinghua Academy of Chinese Learning and promote the creative transformation and innovative development of China's outstanding traditional culture.

Descendants of Liang Qichao and Wang Guowei, along with representatives from the hometowns of the Academy's four eminent scholars, attended

the opening ceremony, while more than 200 scholars took part in the roundtable forums and parallel sessions.

Following its founding in 1925, the Tsinghua Academy of Chinese Learning brought together four eminent scholars—Liang Qichao, Wang Guowei, Chen Yinke, and Zhao Yuanren. This ushered in a golden era for Tsinghua's humanities disciplines, established an academic tradition of combining Chinese and Western scholarship while pursuing excellence, and cultivated numerous outstanding talents, profoundly influencing the development of modern and contemporary Chinese academy.

Although it was suspended in 1929, its spirit has continued to guide the development of humanities at Tsinghua University and the broader field of Chinese humanistic studies.

Since its reestablishment in 2009, the Tsinghua Academy of Chinese Learning has adhered to the principle of "Chinese Cultural Subjectivity, World Vision", responding to questions of our times. It has been committed to promoting the creative transformation and innovative development of China's outstanding traditional culture and building an independent Chinese humanistic knowledge system. The Academy has achieved remarkable accomplishments in academic research, talent cultivation, and interdisciplinary integration.

Renowned expert in statistics Liu Jun joins Tsinghua



Qiu Yong (left) and Li Luming (right) with Liu Jun and his wife.

Tsinghua University held an appointment ceremony to welcome Professor Liu Jun, an internationally acclaimed statistician, as a newly appointed chair professor on August 30. Secretary of the CPC Tsinghua University Committee Qiu Yong and Tsinghua University President Li Luming attended, with Vice-President Jiang Peixue presiding over the ceremony.

On behalf of Tsinghua University, Li Luming extended a warm welcome and heartfelt gratitude to Liu for joining the University on a full-time basis. He thanked Liu for his outstanding contributions to the establishment and development of statistics at Tsinghua. Li said Tsinghua places a high priority on faculty development and adheres to the core strategy of strengthening the University through talent development. The University is committed to continuously attracting top-tier talents, he added.

Li said he looked forward to Liu leveraging his extensive academic influence to seize the opportunities of the AI-driven Fourth Industrial Revolution, further advancing the development of disciplines such as statistics and data science at Tsinghua, and cultivating top innovative talents. His contributions, Li noted, are expected to help propel Tsinghua closer to its goal of becoming a leading world-class university.

Liu noted that being born and raised at Tsinghua gave him a profound bond with the University. His decision to return at the age of 60 is driven by both a passion for education and research, and a deep sense of affection for the hometown.

He stated that Statistics and Data Science are key methodologies for interdisciplinary research and a vital cornerstone of artificial intelligence, offering

vast potential for future development. Looking ahead, Liu aims to leverage Tsinghua's strengths in artificial intelligence to accelerate the development of statistics and data science. Through these efforts, he hopes to contribute knowledge and solutions to support Tsinghua's Department of Statistics and Data Science in becoming a renowned hub for integrated industry, education, and research both domestically and globally.

Academician Chen Songxi, dean of the Department of Statistics and Data Science, paid tribute to Liu on his joining Tsinghua as a full-time professor. He looks forward to working with Liu to promote the high-quality development of statistics and data science at Tsinghua and across China.

Liu Jun is a world-renowned statistician, a member of the US National Academy of Sciences, a fellow of the American Statistical Association, a fellow of the International Statistical Institute, and a fellow of the International Society for Computational Biology.

Liu has made pioneering contributions in Bayesian inference, computational biology, and bioinformatics. He has been awarded the COPSS Presidents' Award, generally regarded as one of the highest honors in the field of statistics, as well as the Morningside Gold Medal in Applied Mathematics, the top honor for people of Chinese descent under the age of 45 for their seminal achievements in mathematics and applied mathematics.

Liu has been a visiting professor at Tsinghua University since 2005. In 2015, he spearheaded the creation of the Center for Statistical Science at Tsinghua and served as its Honorary Director, actively bringing in top international faculty and greatly boosting the global standing of Tsinghua's statistics discipline. In 2024, he played a key role in establishing Tsinghua University's Department of Statistics and Data Science, serving as the director in charge of the founding work.



Li Luming (right) presents the appointment certificate to Liu Jun.

Tsinghua takes part in China's V-Day commemorations

A grand commemorative meeting to mark the 80th anniversary of the victory of the Chinese People's War of Resistance against Japanese Aggression and the World Anti-Fascist War concluded on Wednesday.

During the commemorations, faculty, students, and alumni of Tsinghua University have tackled numerous technical challenges in areas including UAV design, navigation, control, and intelligent driving, and have also contributed to the planning and design of urban activity landscapes in Beijing.

Their involvement extended beyond technological and design contributions, as a total of 189 students and faculty members from Tsinghua University participated in the V-Day commemorations as either choir members or volunteers.

As an important part of the commemoration, the 3,000-person choir gathered participants from 40 universities in Beijing. Gan Ziyang, one of the core student members for this task, together with 80 Tsinghua teachers and students, performed classic songs commemorating the 80th anniversary of the victory of the Chinese People's War of Resistance against Japanese Aggression and the World Anti-Fascist War before the ceremony began.



Gan Ziyang, a 2024 master's student at the School of Social Sciences, joined the choir at Tian'anmen Square.



"It is a tremendous inspiration for me to witness the prosperity and strength of our motherland up close," said Yang Hanyou, a 2022 undergraduate student at Tsinghua Medicine, with great excitement. He was positioned facing Chang'an Avenue, at one of the closest spots to the massive military parade. This summer was the first time he did not return home, instead devoting himself to intensive training with his teammates.



From the first on-campus intensive training in June to the full-element rehearsal on Chang'an Avenue in August, every second of practice was dedicated to presenting their best performance.

Jing Yannan, a 2023 master's student from the Department of Precision Instruments, has been connected with music since the age of five. As a counselor of Tsinghua's student choir, he made full use of his professional expertise during the on-campus training for the square choir—explaining the creative background of each song, guiding vocal exercises, and leading repeated choir rehearsals.



At key locations, volunteers could be seen actively at work everywhere. Among them, 108 Tsinghua teachers and students served as volunteers, safeguarding every detail of the grand event with utmost dedication and warm smiles.



Yang Luofeng, a 2024 master's student at the Academy of Arts and Design, responded without hesitation when notified of the opportunity to join the choir. Previously, he had played roles in the University's original stage play Ma Lan Hua Kai.

Ahead of one rehearsal, while waiting for the bus, Yang and his teammates from the play spontaneously performed a scene, their enthusiasm drawing a crowd of onlookers.

For Yang, art is a language that speaks directly to the heart. He believes that singing carries not only melody but also the echoes of history. Through music, he said, the spirit of resistance against Japanese aggression can be passed on, encouraging more people to remember the past and value peace.



Wang Kailin, a 2023 master's student at the School of Public Policy & Management, served as one of the core student members in the volunteer service team.

At the largest remote assembly point, 30 teacher and student volunteers provided services, primarily assisting with the gathering of the audience. They efficiently and orderly completed all tasks before the official start of the military parade and returned to campus smoothly.

Hao Dazhong, a 2024 doctoral student in the Department of Mechanical Engineering, said, "Being able to contribute in this way to the national celebration fills me with pride and a deep sense of fulfillment."

In memory of Nan Rendong: His legacy shines on like a star

Nan Rendong is widely known as the chief scientist of the Five-hundred-meter Aperture Spherical Radio Telescope (FAST). It has been eight years since his passing, yet his legacy still shines on like a star.

Student days at Tsinghua

Nan entered Tsinghua University in 1963 as the top science student in Northeast China's Jilin province. Although he initially dreamed of studying architecture, he enrolled in the Department of Radio and Electronics, where he went on to specialize in vacuum electronic devices and ultra-high frequency technology. Classmates remember him as a respected class monitor—steady, reliable, and outstanding in his studies. He could always solve the most difficult exercises in mathematical equations first, and he excelled at mechanical drawing—winning first prize in a university competition in 1965.



Student ID of Nan Rendong during his time at Tsinghua University

Beyond academics, Nan's dear friends see him as a man of many talents. He drew sketches of campus buildings, compiled nearly a hundred poems into a collection, and even built a small darkroom in his dormitory to develop his own photographs. He was also a keen athlete. Every afternoon at 4:30, he would set out from his dorm, run to the archway at the Summer Palace, and then turn back. At night, he would lie on the University's sports field with his close friend in the class, pointing out stars and constellations with ease.

Early career and determination

After graduating in 1968, Nan was assigned to work at a radio factory in Tonghua city, Jilin province. There, he led the development of China's domestically produced portable mini radio. Colleagues recall his relentless dedication: he once stayed up all night to examine more than 1,000 circuit points to find a tiny fault in a board, saying, "If the problem isn't solved, I can't sleep." This persistence would define his career.

The FAST vision

In 1994, Nan proposed an ambitious idea: to build a massive radio telescope that could rival the world's best facilities. Over the next two decades, he led site surveys, and ultimately chose "Dawodang" in Pingtang county as the location. He led the team to drive a series of unprecedented technological breakthroughs.

In 2016, after 22 years of preparation and construction, FAST—also known as "China Sky Eye"—was completed. The Tsinghua spirit of "Actions Speak Louder Than Words" was vividly embodied in Nan Rendong.



Nan Rendong (right) surveys "Dawodang" during the site selection.

A lasting legacy

In early 2015, Nan Rendong invited several of his classmates to gather and share updates on the FAST project. His classmates recalled that his eyes were still as bright as ever.

Nan's health deteriorated in the final months of the FAST project, but even from his hospital bed he continued to push forward, urging colleagues to resolve technical issues and connect with experts.

Just weeks after his death in September 2017, FAST made its first major discovery, detecting a pulsar signal from deep space—a profound tribute to Nan Rendong's lifelong dedication.

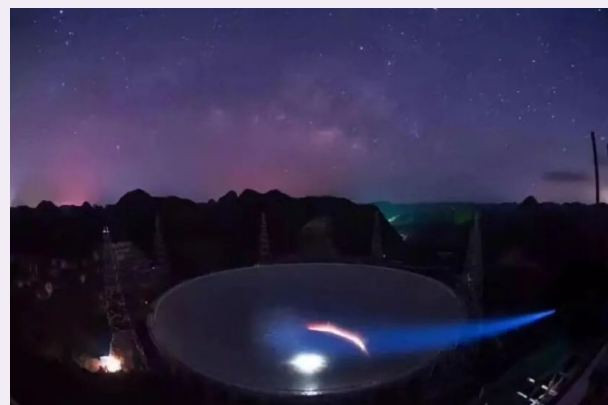
Today, FAST has discovered over 1,000 pulsars and is at the forefront of global radio astronomy. In 2018, the International Astronomical Union named Asteroid 79694 "Nanrendong" in his honor. In autumn 2019, he was awarded the national honor of the People's Scientist title. In 2025, his story entered China's middle school textbooks under the title There Is a Star Named Nan Rendong.

When Nan's wife, Guo Jiazhen, donated his belongings from his student days to the Tsinghua University Archives, she said, "Tsinghua was Nan's lifelong pride. He was always proud to have been a Tsinghua student."



Nan Rendong (second from left) at a reunion with Tsinghua classmates in early 2015

From the high-flying student in Tsinghua's classroom to the visionary behind China's greatest astronomical instrument, Nan Rendong's life embodied curiosity, perseverance, and a deep commitment to science. His legacy continues to inspire new generations of Chinese students to look up at the night sky and pursue discoveries for the benefit of humanity.



The FAST venturing into the vast universe

GLOBAL ENGAGEMENT



TSINGHUA NEWSLETTER

2025 International Forum on Carbon Neutrality and Energy System Transformation held

The 2025 International Forum on Carbon Neutrality and Energy System Transformation (CNEST) was successfully held in Beijing from June 27-29.

Li Luming, President of Tsinghua University; Dai Gang, Director General of the Department of International Cooperation at China's Ministry of Science and Technology; Zou Hui, Deputy Director General of the Department of Science, Technology and Informatization at the Ministry of Education; Gan Jingzhong, Party Secretary of CPC Changping District Committee; Hans Joachim Schellnhuber, Director General of the International Institute for Applied Systems Analysis; Tsinghua University Vice Presidents Zeng Rong and Jiang Peixue; Jiang Yi, Director of the Building Energy Conservation Research Center; and He Kebin, Dean of the Institute for Carbon Neutrality, attended the forum, together with domestic and international experts and representatives from government, industry, and academia. The forum was hosted by Tsinghua University and organized by the Tsinghua Institute for Carbon Neutrality. Zeng Rong chaired the opening ceremony.

Li Luming stated that Tsinghua University established the Institute for Carbon Neutrality and took the lead in initiating the multilateral collaboration program "Carbon Neutrality and Energy System Transformation" to support the achievement of carbon neutrality goals both in China and globally. Going forward, Tsinghua will leverage its strengths as a comprehensive university to promote the development of carbon neutrality-related disciplines and cultivate high-level talent. It will build high-end platforms, pool quality resources, and contribute to the realization of the "dual carbon" goals. He expressed hope that this forum would serve as a starting point for sparking new ideas, turning vision into action, and working together to contribute to global climate governance and energy transition.

Dai Gang stated that continued support would be given to Tsinghua University, as well as to domestic and international universities, research institutions, and scientists, to deepen research exchange and collaboration around the key issues of carbon neutrality and energy system transformation. Zou



The venue of the 2025 International Forum on Carbon Neutrality and Energy System Transformation.

Hui expressed the hope that Tsinghua University would promote the high-quality implementation of the CNEST program, setting an exemplary model for joint efforts to address major global challenges. Gan Jingzhong noted that as the host of the forum, Changping District would provide comprehensive and high-level services for scientific and technological exchange, achievement transformation, and industrial development. Hans-Joachim Schellnhuber expressed the hope that the CNEST program would strengthen research cooperation with IIASA and serve as a valuable platform for deepening international collaboration. Mary Burce Warlick, Deputy Executive Director of the International Energy Agency (IEA), stated in a video message that the IEA is committed to working with governments, industries, and multilateral partners around the world to advance the transition to clean energy.

Jiang Peixue, also leader of the CNEST program, delivered a keynote presentation titled "Carbon Neutrality and Energy System Transformation: The Next Generation System under Carbon Neutrality." He emphasized that building a new energy system for carbon neutrality is a complex global scientific challenge. In response, Tsinghua University launched the CNEST program in partnership with multiple institutions, proposing a vision for an integrated, optimized energy system that achieves carbon neutrality at the lowest cost while supporting sustainable development. CNEST also aims to build an open, international innovation ecosystem for energy systems, fostering a global

research platform that mobilizes universities, research institutions, enterprises, and international organizations to contribute to the global carbon neutrality agenda.

During the opening ceremony, youth representatives from China, Germany, India, and Spain — Alice Ho, Maximilian Arras, Pallavi Sareen, and Diego Rodriguez — jointly read the CNEST Beijing Initiative. The initiative calls for building a global collaborative network to promote energy system transformation; advancing scientific and technological innovation to lead energy transformation; cultivating an innovation ecosystem to accelerate implementation; and synthesizing global knowledge to empower equitable development.

The ceremony also featured the launch of Technology Review for Carbon Neutrality, an international journal that will serve as an open, neutral, and thoughtful global platform of communication on CNEST.

As the inaugural international forum on the multilateral collaboration program CNEST, the event brought together over 400 participants from 19 countries. Attendees included representatives from universities, research institutes, enterprises, and international organizations. Following the opening ceremony, six parallel thematic forums were held, along with keynote speeches by renowned domestic and international experts and scholars, as well as a series of events including leadership roundtable discussions.



Beijing Initiative on Carbon Neutrality and Energy System Transformation launches during the forum.

The third Tsinghua Global Youth Dialogue Main Forum concludes

The third Tsinghua Global Youth Dialogue Main Forum concluded on July 9 at Tsinghua University, gathering 70 young delegates from over 30 countries and regions under the theme "Illuminating the Unreached." Welcome remarks were delivered by Li Luming, President of Tsinghua University and Dong Xia, Deputy Secretary-General of the All-China Youth Federation. Felipe Paullier, United Nations Assistant Secretary-General for Youth Affairs and Siddharth Chatterjee, UN Resident Coordinator in China addressed the forum virtually.

Distinguished guests attending the main forum included Chen Dali, Deputy Director of the Department of International Cooperation and Exchanges, Ministry of Education; Zhang Xueren,

Deputy Director of the Center for China and Foreign Cultural Exchanges, Ministry of Education; Bai Benfeng, Vice President of Tsinghua University; Zhou Ji, Executive Director of the International Department, All-China Youth Federation and Li Tingting, Director of the Development Planning Division of China Center for International People-to-People Exchange, Ministry of Education. The main forum was hosted by Liao Ying, Director of the Center for Global Competence Development of Tsinghua University.

Tsinghua University President Li Luming emphasized that in the face of accelerating global transformations unseen in a century, the role of youth in shaping the future of our world is more critical than ever. He noted that Tsinghua University

has always embraced an open and inclusive attitude in deeply implementing its global strategy, striving to cultivate innovative talents with global competence. He hopes that youth from diverse civilizations actively embrace the era of intelligence, engage in mutual learning and exchange, embrace inclusivity and mutual appreciation, and jointly compose a vibrant chapter of shared beauty, understanding, and harmony.

Dong Xia highlighted that in an era calling for dialogue over confrontation and connection over division, it is of particular significance for young people from all nations to join hands in advancing civilizational innovation, development, and mutual learning. She hopes that youth delegates from around the world will become pioneers in the digital age and artificial intelligence, advocates for green and sustainable development, and active participants in cultural exchange and integration.

Felipe Paullier, United Nations Assistant Secretary-General for Youth Affairs, encouraged youth to listen deeply, speak boldly, and collaborate generously, urging them to build bonds beyond borders toward a more peaceful, just, and sustainable world.

Siddharth Chatterjee, UN Resident Coordinator in China, expressed his gratitude for attending the event again. He noted that young people are innovators, builders, and catalysts of change, and

encouraged them to contribute to a better world through dialogue and cooperation.

At the main forum, delegates Aruzhan Mominbayeva, Amancio III Maliwat Melad, Ameer Ibrahim, Nhial Gatriek Deng, and Niu Lishan shared reflections on their immersive fieldwork in Shenzhen, Guizhou, and Beijing, offering grounded insights into development, innovation, and intercultural understanding.

On July 9, parallel forums were held under the themes of "Civilizational Innovation," "Civilizational Development," and "Mutual Learning among Civilizations." Keynote speakers included He Xiaodong, Senior Vice President of JD.com and Executive Director of JD Explore Academy; Fabrizio Hochschild, Former UN Under-Secretary-General; Bai Chong'en, Dean of the School of Economics and Management, Tsinghua University; Francesco La Camera, Director-General, International Renewable Energy Agency; Liu Jian, Secretary-General, Asian Universities Alliance, Professor, School of Architecture, Tsinghua University; and Rick, Dunham, Professor, School of Journalism and Communication, Tsinghua University.

The Third Tsinghua Global Youth Dialogue commenced on June 29 in Shenzhen. After engaging in practical activities in Shenzhen and Guizhou, the youth delegates gathered in Beijing for a series of exchanges at Tsinghua University.



The third Tsinghua Global Youth Dialogue Main Forum



The 2025 International Congress of Basic Science opens in Beijing

The 2025 International Congress of Basic Science (ICBS) kicked off on July 13th at the China National Convention Center in Beijing. Four Fields Medalists, three Nobel Laureates, and two Turing Award winners, including Shing-Tung Yau and Andrew Chi-Chih Yao, and President of Tsinghua University Li Luming attended the congress. Six scientists—Samuel C. C. Ting, Steven Chu, David Gross, Robert Tarjan, Shigefumi Mori, and George Lusztig—were honored with the 2025 Basic Science Lifetime Award. The Congress also welcomed the prestigious recipients of the Shaw Prize, Wolf Prize, and Dirac Medal, along with more than 80 members of Chinese and international science academies, presidents, and delegates of mathematical societies from over ten countries, a total of nearly 1,000 experts, scholars, and students from research institutions, universities worldwide—together witnessing the opening of the event.

President of Tsinghua University Li Luming extended a warm welcome to scientists from around the world. He emphasized that the International Congress of Basic Science has evolved into a premier platform for global scientists to engage in dialogue and deepen collaboration. It also offers young researchers and university students with valuable opportunities to learn from outstanding peers worldwide, contributing wisdom and strength to the sustained progress and flourishing of basic science. Tsinghua University will continue to support Professor Shing-Tung Yau's efforts to advance basic science, and will work together with scientists from all countries to strengthen fundamental research, drive scientific and technological innovation, promote socio-economic development, and jointly create a better future for humanity.

ICBS President and Fields Medalist Professor Shing-Tung Yau highlighted recent breakthroughs in mathematics, physics, and information science.

Yau hopes this Congress will establish an open and inclusive international platform for deeper academic exchange and collaboration, jointly advancing modern science and technology.

Six trailblazing scientists, the Basic Science Lifetime Award laureates took the stage and were presented with the prestigious awards. 89-year-old Samuel Ting, a pioneer in experimental physics, reflected on his 55-year career, he said "Experiments are of fundamental importance to the advancement of knowledge." Professor Shigefumi Mori, attending the ICBS for the first time, expressed admiration for the tremendous development of Chinese mathematics.

The congress also conferred the Frontiers of Science Award (FSA). This year's awards recognized 118 outstanding papers in basic science, spanning three major categories: Mathematics (75 awards), Physics (16 awards), and Information Science & Engineering (27 awards). The award-winning authors come from universities, research institutions, and enterprises in over 20 countries and regions worldwide, including Fields Medal laureates, Breakthrough Prize in Fundamental Physics winners, and numerous young talents. Authors from 13 Chinese institutions—including Tsinghua University, the Chinese University of Hong Kong, Fudan University, and the Chinese Academy of Sciences—claimed 17 awards.

The ICBS was initiated by Shing-Tung Yau in 2023 and is held annually with the theme Advancing Science for Humanity. Over 500 sessions will cover mathematics, physics, and information science and engineering, with a focus on cutting-edge AI research, interdisciplinary innovation, and frontier theoretical breakthroughs. Beyond academic exchange, ICBS emphasized youth engagement through a diverse range of activities including Tsinghua Day special event on July 19th.

Tsinghua co-hosts 19th International Conference on Topics in Astroparticle and Underground Physics

The 19th International Conference on Topics in Astroparticle and Underground Physics was held in Xichang, Sichuan, from August 25 to 29. Co-hosted by leading Chinese institutions such as Tsinghua University, Beijing Normal University, and the Chinese Academy of Sciences, this marks the first time that the conference has been hosted in China since its inception in 1989.

Cheng Jianping, director of the China Jinping Underground Laboratory, a dual-appointed professor at Tsinghua University, as well as the secretary of the CPC Beijing Normal University Committee; Tsinghua University Vice-President Wu Huaqiang; Academicians of the Chinese Academy of Sciences including Zou Bingsong, Gao Yuanning, Luo Minxing, and Liu Ming; Lu Songming, director of the Science & Technology Department of Sichuan Province; Zhang Wenwang, governor of the Liangshan Yi Autonomous

Prefecture; Ma Hui, deputy secretary of the CPC Liangshan Yi Autonomous Prefecture Committee; and Sun Wenliang, chairman of the Yalong River Hydropower Development Company, Ltd., participated in the opening ceremony and Zeng Zhi, secretary of the CPC Department of Engineering Physics Committee at Tsinghua University, presided over the event.

In his speech, Wu Huaqiang highlighted Tsinghua University's longstanding commitment to scientific and technological progress, noting recent landmark achievements in condensed matter physics, quantum materials, dark matter, and neutrino research.

He stressed the crucial role of large-scale scientific platforms, like the China Jinping Underground Laboratory, which provides exceptional conditions for rare-event detection and precision experiments.



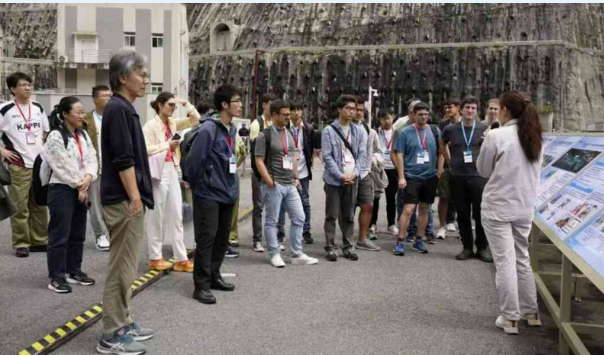
The opening ceremony

Wu also underscored the importance of international collaboration in unraveling the universe's mysteries, affirming Tsinghua's commitment to partnering with global scientists to explore new scientific frontiers.

The conference centered on key frontiers in fundamental physics, including neutrinos, dark matter, gravitational waves, and cosmic rays, featuring over 30 plenary lectures and more than 300 parallel sessions. Experts and scholars also toured the Jinping Hydropower Station and the China Jinping Underground Laboratory during the conference.

The conference brought together over 500 scientists from more than 30 countries, including

Nobel Laureates in Physics Takaaki Kajita, from the University of Tokyo, and Arthur Bruce McDonald, from Queen's University, Canada.



On-site visit and research

Tsinghua Medicine convenes International Advisory Council Meeting

The Tsinghua Medicine International Advisory Council (TMAC) 2025 Meeting was recently held at the University's Main Building. Tsinghua University President Li Luming, Vice President Wang Hongwei, Director of the China Association of Higher Education Lin Huiqing, and Li Yan, Chair of ZGC Group, attended the meeting.

Li Luming extended a warm welcome and sincere appreciation to all participants. He emphasized that the development of medicine has been a century-long aspiration of Tsinghua and an essential mission for building a world-class university. In recent years, Tsinghua has drawn on its comprehensive strengths to empower cross-disciplinary innovation in medicine, develop physician-scientists and scholar-physicians with strong humanistic values, and advance international cooperation, steadily exploring a path of medical development with both Chinese distinctiveness and Tsinghua characteristics. He expressed his hope that Council members will

continue to offer valuable guidance and support, enabling Tsinghua Medicine to make new breakthroughs in intercultural medical education, high-level talent development, and AI-driven innovation in healthcare, and to contribute further to the Healthy China Initiative and to the building of a global community of health for all.

Li Yan congratulated Tsinghua Medicine on the successful convening of the Council's first on-site meeting and affirmed the commitment of ZGC Group to be a steadfast and professional partner on the road of innovation. She expressed confidence that this collaboration will foster an internationally competitive medical innovation ecosystem, accelerating the translation of cutting-edge medical advances to benefit people's lives.

At the appointment ceremony, Li Luming presented letters of appointment to Victor Dzau, President of the U.S. National Academy of Medicine and Foreign Member of the Chinese



Venue of TMAC 2025 Meeting

Academy of Engineering; Ivy Ng, Senior Advisor of SingHealth; Peter Mathieson, Principal and Vice-Chancellor of the University of Edinburgh; John Savill, Executive Director of the Melbourne Academic Centre for Health and Fellow of the Royal Society; and Joseph Sung, Senior Vice President of Nanyang Technological University and Member of the Chinese Academy of Engineering. He also conferred Tsinghua University Honorary Professorships on Peter Mathieson and Ivy Ng.

Council Chair Victor J. Dzau praised Tsinghua's commitment to advancing the integration of medical education, research, and clinical service. He underscored the urgency of strengthening

interdisciplinary and international collaboration in response to the dual challenges of global infectious disease threats and the growing burden of chronic illness. He encouraged Tsinghua Medicine to continue developing a modernized medical system and to develop a new generation of physician-scientists who combine clinical expertise with cutting-edge knowledge in fields such as artificial intelligence and genomics so as to better serve human health.

Vice-Provost and Senior Vice-Chancellor Wong Tien

Yin provided an overview of Tsinghua Medicine's history, distinctive strengths, major achievements, and future development strategies.

Established in 2023, the Tsinghua Medicine International Advisory Council brings together internationally renowned leaders in medicine and health from Singapore, the U.K., the U.S., Australia, and beyond. The Council provides high-level strategic advice on medical education, research translation, clinical application, and campus development, aiming to further strengthen Tsinghua Medicine's global role in advancing human health.



Li Luming presents letters of appointment



Participants of TMAC 2025 Meeting assemble for a group photo

RESEARCH

TSINGHUA NEWSLETTER

Wei Xie's group reports on the establishment of chromatin architecture interplays with embryo hypertranscription

During early animal embryonic development, the parental genomes undergo extensive three-dimensional chromatin restructuring after fertilization. Topologically associating domains (TADs) and compartments rapidly dissolve, leaving chromatin in a highly relaxed state. The gradual reestablishment of higher-order chromatin architecture coincides with zygotic genome activation (ZGA), a highly conserved process observed across all studied early embryos in diverse species, including fly, frog, zebrafish, medaka fish, mouse, pig, and human. However, how chromatin architecture is established during and how it interplays with transcription in early mammalian embryos remains elusive.

Professor Xie Wei's group at the School of Life Sciences, Tsinghua University, published a research article titled "Establishment of chromatin architecture interplays with embryo

hypertranscription" in *Nature* on August 13, 2025. This study systematically elucidates the regulatory mechanisms underlying the progressive establishment of higher-order chromatin structure in early mouse embryos and uncovers an interplay with a unique "hypertranscription" state, which both shapes and is fostered by the three-dimensional genome organization.

The key architectural protein CTCF remains stably bound to the genome throughout early mouse development. Further analysis identified two types of variable CTCF binding: one showing weak binding at the 1-2 cell stage but significantly increasing after the 8-cell stage, primarily localized at promoters and associated with certain ZGA genes; the other exhibiting strong binding from the 1-8 cell stages but rapidly disappearing in the inner cell mass (ICM) and later stages, enriched at SINE B2 repetitive elements. The reduction of

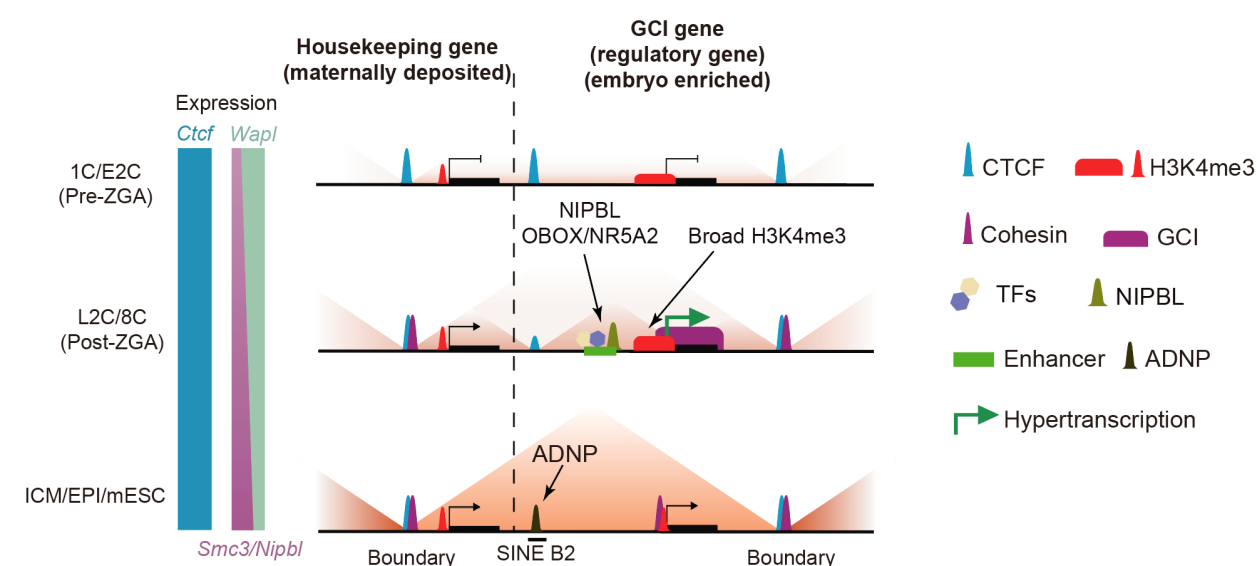


Figure 1. De novo establishment of chromatin architecture and its interplay with hypertranscription in early mouse embryos

CTCF binding at B2 sites coincided with increased expression of the transcription factor ADNP during the same period. ADNP competes with CTCF for binding at these B2 sites; conversely, ADNP KO embryos exhibited restored CTCF binding at B2 loci and enhanced chromatin insulation.

In contrast to the stable CTCF binding, another critical architectural complex, cohesin, showed very low binding levels at the 1-cell stage. This correlates with the low translation levels of cohesin components and its loader NIPBL, as well as the high expression of the unloader WAPL. The combination of weak loading and strong unloading of cohesin leads to insufficient cohesin-mediated loop extrusion. Increased expression of cohesin and NIPBL coupled with downregulation of WAPL facilitates the gradual restoration of TAD structures.

Notably, a unique cohesin enrichment pattern termed “genic cohesin islands (GCIs)” is found on actively transcribed genes during the 2–8 cell stages. GCIs are highly specific to the 2–8C stages and can barely be found in the ICM and later stages. GCIs strongly colocalize with RNA polymerase II (Pol II). Transient inhibition of transcription elongation led to rapid loss of GCIs, while transcription induction generated new GCIs in embryos, indicating that GCIs specifically depend on active transcription. Quantitative analysis of Pol II binding and transcriptome revealed that embryos between the 2–8 cell stages are in a “hypertranscription” state, with transcription levels 6–10 times higher than in differentiating embryonic stem cells and 2–3 times higher than during gastrulation, supporting the model that high densities of elongating RNA polymerase are responsible for the GCI formation.

GCI genes are enriched for key regulatory genes involved in chromatin organization, developmental regulation, and cell fate determination. These genes exhibit broad promoters of H3K4me3, and are enriched for active enhancers and binding of key TFs and NIPBL in their neighbor regions, providing abundant cohesin loading sites for GCI formation. Previous studies suggest that RNA polymerase can act as a barrier by pushing or hindering it from sliding on chromatin. Consistently, GCIs function as transcription-dependent insulators, cooperating with adjacent CTCF sites to form TAD-like

interaction domains, without obvious directional preference. Partial cohesin knockdown weakened GCI boundaries and downregulated GCI gene expression, ultimately causing embryonic arrest at the morula stage. Further analyses showed that GCI genes, as key regulators, exhibit low cell-to-cell transcription variability, whereas cohesin KD increases transcriptional heterogeneity among blastomeres of 8C embryos, suggesting that GCIs may help maintain stable expression of critical regulatory genes during embryonic development.

In summary, this study uncovers the interplay between chromatin architecture reestablishment and hypertranscription in early mouse embryos: following ZGA, embryos jump-start their transcription; high-density Pol II stalls cohesin sliding within gene bodies to form GCIs and form contact domains with nearby chromatin insulators as CTCF. This may lead to a positive feedback loop that further fuels hypertranscription and stabilizes the transcription variance. This work provides new insights into the interplay between transcription and chromatin architecture when they are established for the first time.

Professor Wei Xie from School of Life Science at Tsinghua University is the corresponding author of this work. Guang Yu, Kai Xu and Weikun Xia (postdoc fellow) from CLS program at Tsinghua University and Ke Zhang (Ph.D student) from Tsinghua University are the co-first authors of this work. Dr. Qianhua Xu, Dr. Lijia Li, Ling Liu, Dr. Zili Lin, Dr. Bofeng Liu and Dr. Zhenhai Du from Wei Xie’s lab have also made important contributions to this work. Dr. Huili Wang from Jiangsu Academy of Agricultural Sciences, Dr. Haiqiang Dai and Dr. Chao Wang from Shanghai Institute of Biochemistry and Cell Biology (Chinese Academy of Sciences), Dr. Hongtao Yu and Dr. Zhubing Shi from Westlake University have provided experimental guidance and essential research materials. This work was supported by the National Key R&D Program of China, the National Natural Science Foundation of China, the Postdoctoral Science Foundation of China and the Tsinghua-Peking Center for Life Sciences. Wei Xie is a recipient of an HHMI International Research Scholar award and a New Cornerstone Investigator.

[Link to paper: https://www.nature.com/articles/s41586-025-09400-5](https://www.nature.com/articles/s41586-025-09400-5)

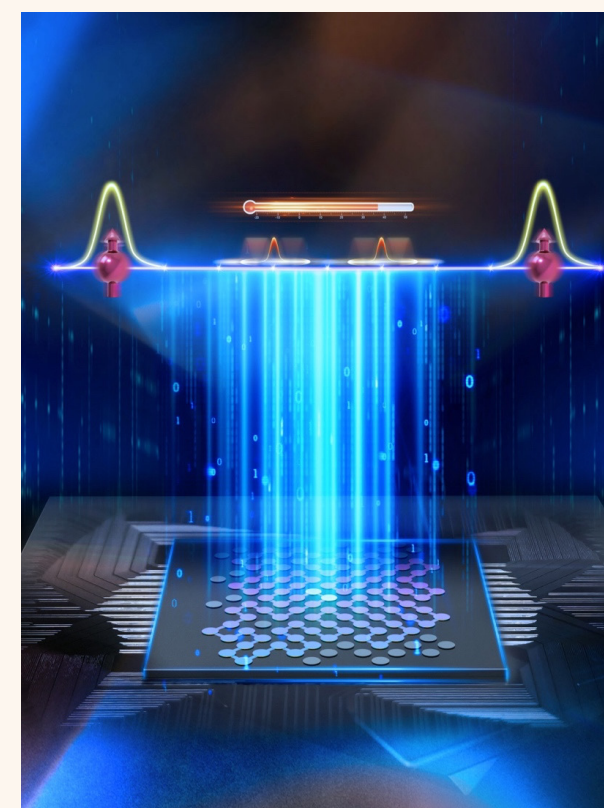
Demonstration of finite-temperature topological edge modes with a 100-qubit superconducting processor

A research team led by Dong-Ling Deng from Tsinghua University, in collaboration with Haohua Wang’s group at Zhejiang University and Qiujiang Guo’s group from ZJU-Hangzhou Global Scientific and Technological Innovation Center and other international collaborators, has observed a distinct type of robust topological edge modes at finite temperatures in a disorder-free quantum system with a 100-qubit superconducting quantum processor for the first time. Their paper, “Topological prethermal strong zero modes on superconducting processors,” was recently published as an article in *Nature*.

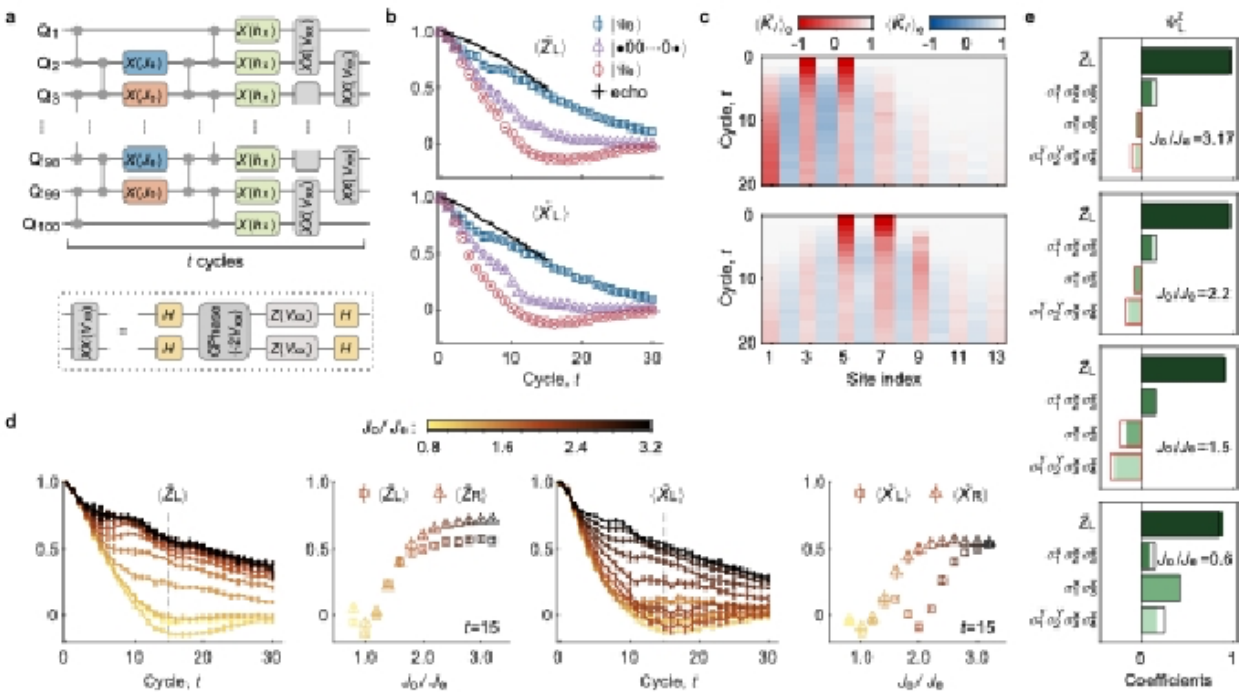
Symmetry-protected topological edge states (modes) arise from novel phases of matter in condensed matter physics. They typically appear at the boundaries of a system and are protected by specific symmetries, rendering them resilient against noises that preserve these symmetries. This property makes them potentially valuable in quantum information processing. However, topological edge states typically only survive the ground state of a system at zero temperature. At finite temperatures, thermal excitations emerge, freely propagate, and interact with the edge states, thereby destroying the edge states and erasing the quantum information stored within. Therefore, identifying and protecting topological states at finite temperatures is a significant challenge in both condensed matter physics and quantum information science.

To address this challenge, the conventional approach is to introduce disorder to make the system many-body localized and hence localize the thermal excitations. However, this method heavily relies on random potential fields, which not only entails high experimental costs but also faces ongoing debates regarding its stability. The research team led by Dong-Ling Deng at Tsinghua University has taken a different approach, proposing to utilize the prethermal mechanism to protect experimentally prepared topological edge states. This method does not require disorder but instead relies on the emerging symmetry to provide additional protection for the edge states, suppressing their interaction with thermal excitations.

The research team collaborated with the superconducting quantum computing team at Zhejiang University to demonstrate this approach by implementing a one-dimensional symmetry-protected topological chain composed of 100 qubits on the 125-qubit “Tianmu 2.0” superconducting quantum processor developed at Zhejiang University. With the support of high



Schematic of topological edge states at finite temperatures



Main experimental results of the finite-temperature topological edge states

programming flexibility and high-fidelity quantum gates, they observed robust and long-lived topological edge states against thermal excitations during approximately 270 layers of two-qubit gate evolution and conducted in-depth studies on the dynamics of thermal excitations and the emerging symmetry in the system's prethermal regime. Based on this, the research teams further utilized these robust topological edge states to encode a logical Bell state, providing strong evidence of their robustness against thermal excitations.

This study established a feasible digital simulation method, providing a new experimental approach

for exploring topological matter at finite temperatures. In addition, it demonstrated a potential route for achieving long-lived, robust boundary qubits in disorder-free systems, opening up a new avenue for developing noise-resilient quantum storage and manipulation technologies.

This project was partially supported by the National Natural Science Foundation of China, the National Key Research and Development Program of China, the Tsinghua University Dushi Program, and the Shanghai Qi Zhi Institute.

Paper link:
<https://www.nature.com/articles/s41586-025-09476-z>

TSINGHUA COMMUNITY

TSINGHUA NEWSLETTER

Tsinghua wins inaugural 5v5 soccer championship at World Humanoid Robot Games



Award ceremony of the 5v5 soccer match

On August 17, the 2025 World Humanoid Robot Games — the world’s first comprehensive sports event featuring humanoid robots as competitors — wrapped up. In the 5v5 soccer final, Tsinghua University’s Hephaestus Team edged out Germany’s HTWK Robots + Nao Devils with a 1-0 victory, claiming the inaugural championship in a 5v5 humanoid robot soccer match.

From August 15 to 17, various teams competed in 487 matches across 26 events, showcasing the latest advances in humanoid robots’ intelligent decision-making and coordinated movement. Several teams from Tsinghua University competed in the 5v5 soccer tournament, including the Hephaestus Team and the Tsinghua Power Intelligence Team. Tsinghua Power Intelligence eventually advanced to the global top eight.

Tsinghua and PKU jointly triumph at 16th S.-T. Yau College Student Mathematics Contest

The award ceremony of the 16th S.-T. Yau College Student Mathematics Contest was recently held at the Mong Man Wai Concert Hall of Tsinghua University.

The ceremony was attended by Tsinghua University Vice President Wang Hongwei; Fields Medalist Shing-Tung Yau, the general chairman of the competition, Director of the Yau Mathematical Sciences Center at Tsinghua University, and Dean of the Qiuzhen College; Member of the Chinese Academy of Sciences (CAS) and President of the Chinese Mathematical Society Xi Nanhua; Fields Medalist and Tsinghua University Professor Caucher Birkar; Fellow of the Royal Society and Tsinghua University Professor Vladimir Markovic; and, Member of CAS and Fudan University Professor Li Jun.

Wang Hongwei stated that world-class mathematics education is a core element in cultivating innovative talent and serves as a fundamental pillar for building a leading country in science and technology. Tsinghua University will continue to deepen reforms in mathematics education, strengthen fundamental research, promote interdisciplinary innovation,

and contribute Chinese wisdom to the global development of mathematics. Xi Nanhua highlighted the international growth of the contest as a testament to its unique academic appeal. He hopes that the event will continue to play an important role in nurturing outstanding talent for the development of mathematics in China.

Shing-Tung Yau encouraged the students to build a solid foundation, pursue broad and deep knowledge, and have the courage to break disciplinary boundaries and seek conceptual innovation. He hopes that students maintain unwavering perseverance, continue exploring the path of academia, and contribute to the rise of mathematics in China.

This year’s contest was co-hosted by the Yau Mathematical Sciences Center at Tsinghua University and the Shanghai Institute for Mathematics and Interdisciplinary Sciences. Over 3,000 students from more than 500 universities registered for the individual contests, and 62 teams signed up for the team competition.

Students from Tsinghua University, Peking University, the University of Science and Technology of China, Zhejiang University, and other institutions won a total of 68 major awards. Tsinghua University and Peking University jointly received the team gold award. The Tsinghua team won a total of 30 awards, with 27 of them claimed by students from Qiuzhen College.

Wang Hongwei, Shing-Tung Yau, and Xi Nanhua present an award to Li Fanyi.



Li Fanyi, a 2022 undergraduate student from Qiuzhen College, received the Gold Medal in the Individual Overall Award—the "Shing-Tung Yau Award"—as well as the Gold Medal in the Individual Award—the "Wei-Liang Chow Award".

Li Xuanyou, a 2021 undergraduate student, won the Silver Medal in the Individual All-Around Award and the Gold Medal in the Individual Award—the "Shiing-Shen Chern Award".

This year marked the first time the competition was open to undergraduate students worldwide. Nikita Zolin from the Moscow Institute of Physics and Technology won the Bronze Medal in the Individual Award—the "Pao-Lu Hsu Award".

Over 300 people attended the ceremony, including 33 competition judges, finalists, and faculty and student representatives from more than ten universities.

Tsinghua Professor He Jinliang wins 2025 Richard R. Stoddard Award for Outstanding Performance

The Institute of Electrical and Electronics Engineers (IEEE) recently announced the winners of the Richard R. Stoddard Award at its international symposium on Electromagnetic Compatibility, Signal, and Power Integrity. Professor He Jinliang from the Department of Electrical Engineering, Tsinghua University, won the 2025 Richard R. Stoddard Award for Outstanding Performance in recognition of his outstanding achievements in lightning protection technology, encompassing both foundational theoretical breakthroughs and key technological innovations.

As director of the Institute of High Voltage and Insulation Technology at Tsinghua University, Professor He has conducted long-term research on power transmission technologies, covering electromagnetic transient protection for extra- and ultra-high voltage systems, and large-capacity underground power transmission technologies, including gas-insulated transmission lines and recyclable power cables.

Throughout his career, he has received numerous domestic and international awards, including the Guanghua Engineering Science and Technology Award, the Global Energy Prize, the IEEE Herman Halperin Electric Transmission and Distribution Award, the IEEE Technical Achievement Award, the Hoshino Prize, the Rudolf Heinrich Golde Award, the CIGRE Distinguished Member Award, and the China



John La Salle, President of the IEEE Electromagnetic Compatibility Society, presents the award certificate to He Jinliang.

Electric Power Science and Technology Outstanding Contribution Award.

His research achievements have been recognized with two second prizes in the National Science and Technology Progress Award, one second prize in the National Technology Invention Award, one special prize and nine first prizes at the provincial, ministerial, and industry association levels, as well as the WIPO National Award for Inventors and the IET E&T Innovation Award.

DIVERSE CAMPUS

TSINGHUA NEWSLETTER

Tsinghua holds opening ceremony to welcome new undergraduates

Tsinghua University held an opening ceremony to welcome its incoming undergraduates on August 21. Around 4,000 undergraduates embarked on a new journey at Tsinghua in 2025.

Leaders of the University attended the ceremony, including Qiu Yong, Li Luming, Xiang Botao, Zeng Rong, Guo Yong, Zhao Gang, Xu Qinghong, Wang Hongwei, Bai Benfeng, and Wu Huaqiang. Tsinghua Vice President Peng Gang presided over the ceremony.

Qiu Yong, secretary of the CPC Tsinghua University Committee, pinned a Tsinghua badge for the undergraduate student representative.

Tsinghua University President Li Luming delivered a speech and extended his heartfelt congratulations and warm welcome to incoming freshmen on behalf of teachers, students, and staff. This year marks the 80th anniversary of the victory in the Chinese People's War of Resistance



The main venue of the opening ceremony



Qiu Yong (right) pins a Tsinghua badge for a new student representative.



Li Luming addresses the ceremony.

Against Japanese Aggression and the World Anti-Fascist War. He said that the National Southwest Associated University represents a remarkable chapter in Tsinghua's history that deserves to be remembered. The spirit of "Perseverance, Fortitude, and Excellence" is deeply rooted in Tsinghua's history and traditions, serving as a concentrated embodiment of the University motto "Self-Discipline and Social Commitment" at a time of national crisis. He expressed his hope that the students will carry forward the great spirit of resisting aggression, inherit the precious legacy left by the faculty and students of the National Southwest Associated University, pursue diligent study and steadfast practice, dare to take the lead,

remain perseverance, fortitude, and excellence, work diligently and proactively, and shoulder responsibilities in the cause of building a strong nation and realizing national rejuvenation.

Professor Zhang Li from the School of Architecture and dean of Tsinghua's Zijing College, on behalf of all the faculty members, delivered a speech encouraging students to understand and connect with others, refine a better self, and contribute to the country, the nation, and a shared, brighter future for humanity.

Li Buyan, president of the Tsinghua Student Union, encouraged freshmen to strive for self-improvement and personal growth, embrace the



Zhang Li delivers a speech.



Li Buyan delivers a speech.

collective and unite strengths, engage with the spirit of the times and set lofty ideals. Through the nurturing and education of Tsinghua, freshmen were encouraged to discover meaningful aspirations and coordinates for their lives.

Xu Ruize, a freshman representative and a student of Tsinghua's Shuimu College, shared his growth experience and feelings about coming to the Tsinghua campus. He looks forward to joining the students in upholding the original aspirations, courageously shouldering the mission to serve the nation, moving forward together with the spirit of the new era, and dedicating youthful efforts to the journey of national rejuvenation.

Tsinghua University held the opening ceremony in a hybrid online and offline format. Besides the main venue at the University Gymnasium, eight venues were set up across campus for freshmen's families and friends. The event was also live-streamed on the "Rain Classroom" platform.



Xu Ruize delivers a speech.



Freshmen attend the opening ceremony.

Tsinghua holds opening ceremony to welcome incoming graduates

Tsinghua University held an opening ceremony on August 29 to welcome its incoming graduates. More than 9,000 students embarked on a new journey at Tsinghua in 2025.

Leaders of the University attended the ceremony, including Qiu Yong, Li Luming, Xiang Botao, Zeng Rong, Guo Yong, Zhao Gang, Xu Qinghong, Wang Hongwei, Bai Benfeng, and Wu Huaqiang.

Tsinghua Vice President Jiang Peixue presided over the ceremony.

At the opening ceremony, a special segment featured the presentation of Tsinghua University badges to new students. Secretary of the CPC Tsinghua University Committee Qiu Yong pinned a Tsinghua badge for a graduate student representative.



The venue of the opening ceremony.



Qiu Yong (right) pins a Tsinghua badge for a new student representative.

Tsinghua President Li Luming warmly welcomed the incoming graduate students on behalf of the University. In his speech titled “Carrying Forward the Spirit of Self-Strengthening, Composing a Glorious Chapter of Youth,” he emphasized that the Chinese nation has long upheld the values of self-discipline and social commitment. He pointed out that the spirit of self-strengthening embodies an unyielding will and proactive attitude rooted in our cultural bloodline; it reflects a commitment to innovation and the courage to scale new heights in answering the call of the times; and it represents a pursuit of openness, cooperation and a broad vision with the world in mind amid the great changes unseen in a century.

He hopes that students will carry forward the spirit of self-strengthening, hone their skills, and compose a song of innovation, and become Tsinghua graduates capable of shouldering the mission of the times. In doing so, they will compose a glorious chapter of youth through their unrelenting efforts for national prosperity, the great rejuvenation of the Chinese nation, and the advancement of human civilization.

Wang Hui, Distinguished Professor of Arts, Humanities and Social Sciences at Tsinghua University, delivered a speech on behalf of faculty members. He said that with the development of natural sciences and technology, as well as the humanities and social sciences, crossing



Li Luming makes an address during the opening ceremony.

disciplinary boundaries and engaging in more integrated research has become the norm for academic innovation. He expressed the hope that students will keep in mind the historical significance of Tsinghua’s motto, and in their wholehearted dedication to academic work, experience the joy of research and the excitement of creation.

Cheng Zekun, president of the Tsinghua Graduate Student Union, shared insights from his own experience at Tsinghua. He said that the Tsinghua spirit of “running” embodies the pursuit of excellence in research, patriotic dedication, and physical fitness. As young people in the prime of their youth, he encouraged them to run with all



Wang Hui delivers a speech.



Cheng Zekun delivers a speech.

their strength and strive to achieve the best results of their generation.

Li Yu’er, a doctoral student from the Department of Automation, spoke as a student representative. She said that Tsinghua is a stage where personal aspirations resonate with the development of the nation. She looked forward to everyone finding their original passion for research through real-world needs, reaching academic heights through frontier exploration, and shouldering the mission of the times by serving the country.

Tsinghua University held the opening ceremony in a hybrid online and offline format. Besides the main venue at the University Gymnasium,



Li Yu’er delivers a speech.

other venues like New Tsinghua Xuetang and the Auditorium were set up across campus. The event was also live-streamed on the “Rain Classroom” platform.

Leaders of school departments, award-winning teachers, and representatives of newly appointed faculty attended the ceremony.

Nearly 1,900 new graduate students from the Tsinghua Shenzhen International Graduate School attended the ceremony online, along with the new students’ families, faculty, alumni, and friends from various sectors who support the University’s development.

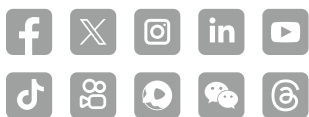


New graduates attend the opening ceremony.





清华大学
Tsinghua University



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