



**From left:** A dancing robot attracts visitors' attention at the China Beijing International High-Tech Expo in 2018. CHEN XIAOGEN / FOR CHINA DAILY A business representative demonstrates how to use an intelligent system to learn piano at the expo last year. CHEN XIAOGEN / FOR CHINA DAILY A young visitor tries his hand at a driving simulator at the 2018 CHITEC. FENG YONGBIN / CHINA DAILY



# High-tech expo to include bevy of new products

AI, core chip parts, 5G and information networks among innovative offerings

By ZHANG DANDAN  
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The 22nd China Beijing International High-Tech Expo, running from Thursday to Sunday, promotes broader integration of cutting-edge technologies with industries and cross-regional exchanges and cooperation in science and technology, officials said.

“As the country’s oldest science and technology exhibition, the annual event is a significant channel for scientific and technological exchanges and cooperation at home and abroad,” Lin Bin, deputy director of the organizing committee office of the expo, said at a news conference held on Oct 18, in Beijing.

The expo, also known as CHITEC, is committed to promoting the commercialization of scientific and technological achievements and leading the high-quality development of relevant industries, Lin added.

With a raft of leading Chinese high-tech manufacturing companies taking part, a series of cutting-edge technologies and advanced products are making a presence at the event.

China’s leading chip maker Tsinghua Unigroup brings more than 70 key chips to this year’s CHITEC. The chips can be used for mobile communication, the internet of things, flash memory, security and wireless connection.

China Electronics Technology Group is displaying its major achievements in artificial intelligence, core chip components, 5G base stations and information networks.

Intelligent information systems for smart transportation, smart government administration, smart agriculture, smart city and smart urban management are being showcased at the 22nd CHITEC by computer maker Tsinghua Tongfang to visitors.

The trend of intelligent development has boosted the growth of new technologies, new industrial forms and new business models, especially the integration of the technology industry with other sectors, which is further fostered by the 22nd CHITEC, organizers said.

“The Ministry of Science and Technology set up a Winter Olympic-themed exhibition for the first time at CHITEC, aiming to promote the integration of science and technology with the 2022 Winter Olympic Games,” Lin said.

The technology products for the Winter Games exhibited at the event include an 8K monitor equipped with China-developed technologies, cloud rebroadcasting devices and a simulated ski training system.



Experts from China and abroad share their insights into technological and industrial trends at a symposium during the China Beijing International High-Tech Expo in 2018. PROVIDED TO CHINA DAILY



**From left:** A two-wheel electric vehicle is displayed at the expo in Beijing in 2018. CHEN XIAOGEN / FOR CHINA DAILY Children show interest in a model of a deep-sea manned submersible. FENG YONGBIN / CHINA DAILY



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**Lin Bin**, deputy director of the organizing committee office of the China Beijing International High-Tech Expo

The advanced technologies will help improve the professional level of the 2022 Beijing Winter Games’ equipment and technological systems, offering reliable support to the event, Lin said.

At the 22nd CHITEC, some emerging industrial models featur-

ing the integration of technology and culture are showcased, including cultural and creative technology products and the digital creative industry.

Bank of China and China Minsheng Bank show their innovative achievements in the integration of technology and finance at the expo.

Using 5G, cloud computing, big data and AI technologies, Bank of China innovates a service called smart finance and offers related financial products.

China Minsheng Bank has independently developed a core financial cloud platform, a big data platform and an AI service system, helping itself enjoy the first-mover advantage in the field of smart finance.

Some education information technologies and equipment, intelligent education systems and technological solutions to the construction of safe campuses are open to visitors at the 22nd CHITEC, demonstrating the application of technologies in education.

Focusing on both domestic and international markets, the 22nd

CHITEC sets up a platform for inter-regional collaborative innovation, and promotes the transnational technology transfer, Lin noted.

A series of promotions and seminars on the science and technology cooperation among Beijing, Tianjin and Hebei are held during this year’s CHITEC, not only highlighting the technology industry’s role in Beijing-Tianjin-Hebei coordinated development, but also promoting further cooperation among the regions.

The promotions and seminars will cover industry cooperation, modern agriculture, technology, retail and the digital creative economy.

As a national science and technology innovation center in China, Beijing has made great strides in cutting-edge technologies and industries, including the application of AI and 5G technologies, intelligent connected new energy vehicles and medical robots, Lin said.

The city is poised to take the lead in boosting the deeper technology cooperation among Bei-

jing, Tianjin and Hebei, she added.

In addition, 12 other provinces, municipalities and autonomous regions are holding an array of promotions to attract investors during the 22nd CHITEC for their technological projects.

The 22nd CHITEC has invited 17 international institutions and associations to discuss hot issues on international technology transfer, helping support transnational technological collaboration.

Eighteen foreign enterprises from Portugal, Spain, Hungary, Italy and Brazil will have face-to-face communications with more than 30 Chinese enterprises on the issues of culture, education, the recycling of water resources, and import and export of food and beverage at CHITEC.

In addition, two international organizations — the United Nations Commission on Science and Technology for Development and the New Development Bank — and more than 20 delegations from 19 countries and regions, including the United States, the United Kingdom, Australia, Germany and

## Various themed pavilions stand in the spotlight

The ongoing China Beijing International High-Tech Expo features various themed pavilions, where exhibitors can flex their innovation muscles.

• Tech-equipped Winter Olympics pavilion

Based on the theme of tech-equipped Winter Olympics inspiring innovation, the exhibition section is highlighted with a raft of high-tech projects, which are involved in advancing the construction and transformation of Olympic venues and infrastructure, as well as promoting the ice and snow sports industry.

• Pavilion focusing on the integration of culture and technology in Beijing

The section features creative cultural designs and related tech products. Integrated development of traditional and new media, as well as culture and other sectors such as technology, tourism, education, sports and finance, is also among the display highlights.

• Pavilion centering on technological achievements in aerospace and aviation

A series of model spacecrafts and satellites are featured at the exhibition section. A host of applications of space technology to sectors including new materials, environmental protection, clean energy and intelligent industries are also on display.

• Pavilion on Beijing-Tianjin-Hebei coordinated development

The section puts emphasis on progress in the coordinated development of Beijing, Tianjin and Hebei province over the past five years, which is reflected in various forms, such as scale models, videos and animations.

YUAN SHENGGAO

Canada, have taken part in the expo.

The 22nd CHITEC, consisting of 19 exhibition areas and covering a total of 38,000 square meters, has attracted 1,200 exhibitors from across the world.

The event is hosted by China’s Ministry of Science and Technology, the National Intellectual Property Administration, the China Council for the Promotion of International Trade and the Beijing government,

Since its debut in 1998, CHITEC has become an iconic professional exhibition to display the latest scientific and technological achievements, introduce frontier innovations, release industrial policies and promote international cooperation, Lin noted.

# Conference incorporates tech into poverty alleviation, language learning

By ZHANG DANDAN

The ongoing 22nd China Beijing International High-Tech Expo is showcasing the country’s tremendous technological achievements in manufacturing, transportation, education and poverty alleviation.

The development of science and technology is bound to benefit people and scientific innovation is an important helper for poverty alleviation, a senior official said.

The expo, also known as CHITEC, is committed to promoting poverty alleviation with cutting-edge technologies, according to Lin Bin, deputy director of the organizing committee of the expo.

Leading Chinese AI company

iFlytek brings its advanced tech products to the third China Beijing International Language and Culture Expo with the aim of helping alleviate poverty. The cultural expo has been integrated into CHITEC this year.

Science and technology are expected to boost language development, CHITEC organizers said. They expect new development in the two fields to fuse culture and technology.

Relying on its world-leading artificial intelligence technologies and rich experience in the education information technology industry, iFlytek has developed intelligent education products targeting poverty-stricken areas in China, striving to help local people eradicate poverty



The expo attracts throngs of visitors in 2018. PROVIDED TO CHINA DAILY

by teaching them to speak Mandarin.

Among the application products iFlytek is showcasing at the event is

a language training app designed for ethnic groups and people in remote areas in China.

Taking advantage of AI technologies in speech synthesis, automatic speech recognition and oral testing, the app offers programs including learning to read, 1,000 everyday expressions and independent study, so as to help people read and use standard Chinese characters.

Liu Qingfeng, the company’s chairman, cited the app as an example at a language conference in April to illustrate that emerging technologies, such as AI, will play a big role in poverty alleviation.

In addition, the company’s other Chinese learning platform has been widely used by some 2 million teachers and students in the Xinjiang Uygur autonomous region and

the Tibet autonomous region. The platform focuses on training in listening comprehension, speaking, reading and writing.

Beijing Capital Group has displayed its latest achievements in intelligent environmental protection at the ongoing CHITEC. The technologies are expected to empower the environmental protection industry.

Auto giant BAIC Group presented its advanced research and development achievements in new energy vehicles at the expo, with a compelling lineup of off-road models on display. Of them, the BJ80 fills the blank of the domestic high-performance off-road vehicle market, Lin noted.