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## Chinese EVs Shine at 90th Paris Motor Show

By LI Hongce & LIANG Yilian

From October 14 to 20, the 90th Paris Motor Show took place at the Paris Expo Porte de Versailles in France. Established in 1898, the Paris Motor Show is the oldest auto show in the world and ranks among the top five globally.

Of the 47 automakers exhibiting at the 90th Paris Motor Show this year, 10 from China were particularly notable. Despite the EU's imposition of high tariffs on Chinese electric vehicles, these companies remain undeterred, expressing their strong commitment to exploring the European market.

### Global competition in European auto industry

Manufacturers unveiled 25 world premieres at the show. Exhibitors ranged from luxury brands to affordable models, showcasing a blend of concept vehicles and mass-produced cars. Global automakers highlighted their latest technological advancements and design concepts, emphasizing the future trends of low-carbon and intelligent vehicles.

Chinese manufacturers, emerging as the "new face" of the European market, drew significant attention. On the first day of the event, brands such as Dongfeng, BYD, and AITO held press conferences, unveiling new models slated for the European market. Their pure electric and hybrid vehicles demonstrated strong competitiveness in terms of design, intelligent features, technical specifications and pricing.

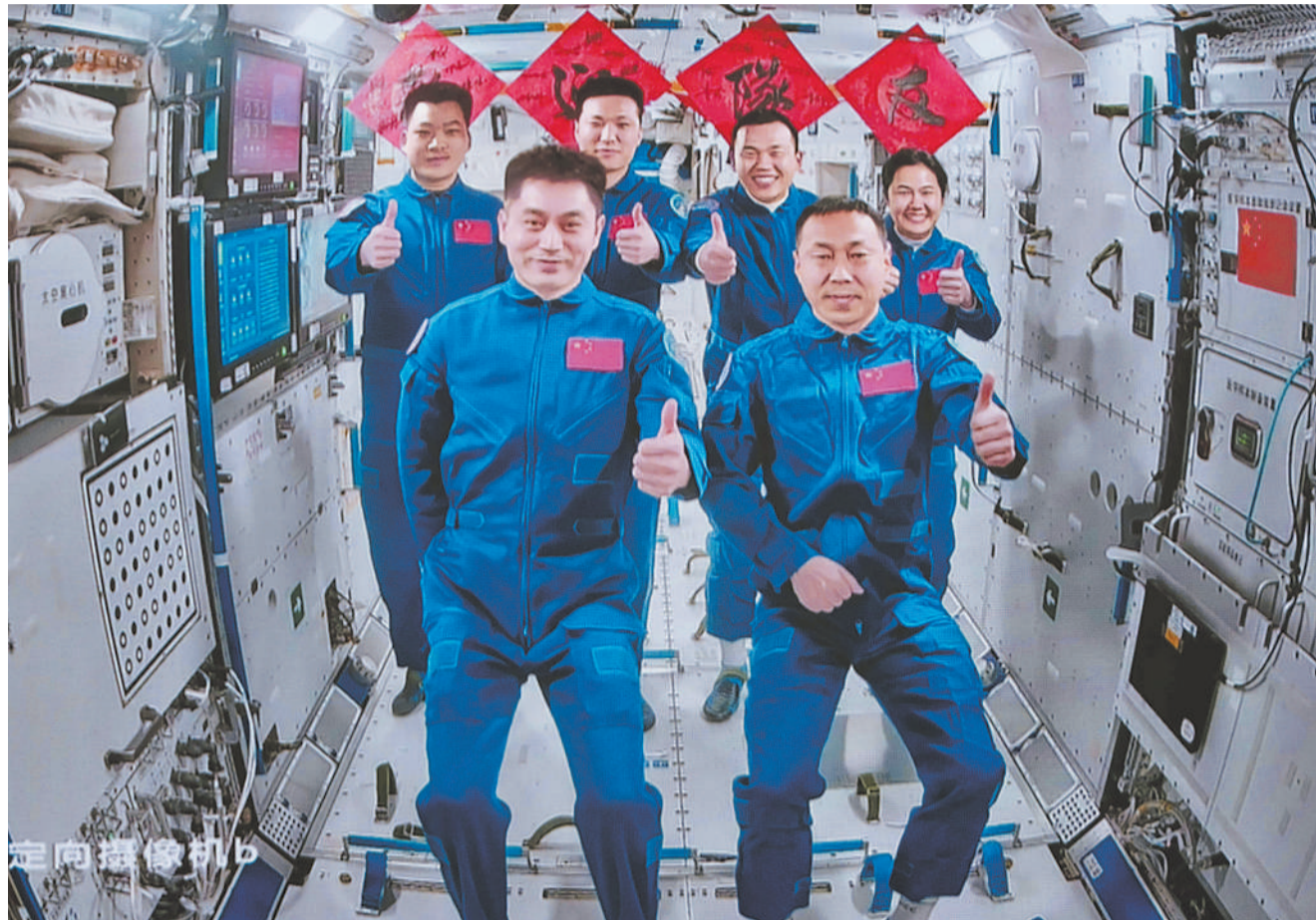
### Building long-term partnerships

Chen Dong, an official from the Chinese Embassy in France, visited the Chinese auto companies' exhibits. He praised the rapid advancement of China's automotive sector, particularly in technology and market growth. He acknowledged the contribution of Chinese electric vehicles to global climate change initiatives, and emphasized the importance of a positive, open approach to China-EU economic relations, aiming for win-win cooperation.

As solid partnerships with European distributors, suppliers, and other stakeholders are established, Chinese automobiles are set to accelerate their entry into Europe. Brands like BYD, Nio, and Dongfeng are actively expanding their presence, with plans to establish local production facilities in Europe to further integrate into the European automotive industry.

Dongfeng Liuzhou Motor has made impressive strides in international markets, achieving an annual growth rate of over 40 percent. While maintaining its footholds in South America, the Middle East and Southeast Asia, the company is intensifying its efforts in Europe. According to Lin Changbo, general manager of Dongfeng Liuzhou Motor, sales in Europe surged by an astonishing 325 percent year-on-year in the first three quarters of 2024.

With rapid technological innovations and competitive pricing, Chinese companies are poised to revitalize Europe's auto market, fostering cooperation, mutual learning, and healthy competition among automakers worldwide.



This image captured at Beijing Aerospace Control Center on October 30, 2024 shows a group photo of the crew of Shenzhou-18 and Shenzhou-19 manned spaceships. The three astronauts of China's Shenzhou-19 spaceflight mission have entered the Tiangong space station and met with another astronaut trio on Wednesday, starting a new round of in-orbit crew handover. (PHOTO: XINHUA)

## Editor's Pick

## Shenzhou-19 Blasts Off to Push Space Station Development

By WANG Jing

China successfully launched the Shenzhou-19 crewed spaceship with three astronauts on board, blasting off from the Jiuquan Satellite Launch Center in northwest China on October 30, 2024, according to the China Manned Space Agency (CMSA).

The Shenzhou-19 crew includes mission commander Cai Xuzhe, and astronauts Song Lingdong and Wang Haze. Among them, Song and Wang both born in the 1990s, are on their first space mission.

It is the 33rd flight mission of China's manned space program and the fourth crewed mission during the application and development stage of China's space station. The Shenzhou-19 astronauts will complete in-orbit rotation with Shenzhou-18 and stay at

the space station for approximately six months.

The main tasks of the mission include conducting space science and application tests, performing extravehicular activities, installing protective devices against space debris, and managing the installation and recycling of extravehicular payloads and equipment. They will also engage in science education, public interest activities, and other payload tests, according to Lin Xiqiang, CMSA spokesperson and deputy director.

The new crew are prepared to carry out 86 space science research and technology experiments, covering various fields including space life science, microgravity fundamental physics, space material science, space medicine, and new space technologies, Lin said. In addition, it is expected a number of scientific achievements will be achieved

in the frontier research of basic theories, the preparation of new materials, the physiological effect mechanism of space radiation and weightlessness, he said.

Meanwhile, it is planned to release a report outlining the progress and achievements of scientific research and application carried out in China's space station since it was put into orbit two years ago.

In May this year, the selection of the fourth batch of astronauts in China was completed, and a total of 10 astronaut candidates were finally selected, including eight space pilots and two payload experts. Payload experts from the Hong Kong Special Administrative Region (SAR) and the Macao SAR joined the team on August 8 to live and train with other astronauts.

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## China Tops Global Patent Applications in 2024

By Staff Reporters

China's international patent applications via the Patent Cooperation Treaty (PCT) has ranked first in the world for five consecutive years, according to the 2024 International Association for the Protection of Intellectual Property (AIPPI) World Congress.

The congress, which opened in Hangzhou, east China's Zhejiang province, on October 19, brought together about 2,300 industry professionals from 92 countries and regions to discuss cutting-edge issues in intellectual property.

This year marks the 30th anniversary of China's accession to the PCT. According to the China National Intellectual

Property Administration, in 1994, Chinese applicants filed only 98 patent applications through the PCT, a number that surged to nearly 70,000 in 2023. This remarkable growth has established China as a pivotal player in the global innovation landscape.

In recent years, the number of intellectual property applications in China has grown rapidly, and China has become the country with the most international patent applications. This means that China's sci-tech innovation capacity has made great progress, according to AIPPI President Shoichi Okuyama.

However, with the ongoing scientific and technological revolution, new intellectual property challenges are emerg-

ing, particularly concerning data, algorithms, and models.

"A series of new technologies and new business forms have sprung up like mushrooms, and the strategic position and role of intellectual property work has become increasingly prominent," said Long Chuanhong, director of the Patent and Trademark Law Office of the China Council for the Promotion of International Trade.

Long emphasized the importance of both strengthening intellectual property protection and clearly defining its boundaries. This dual approach aims to foster a better environment for innovation and drive development through service innovation.

## Jakarta-Bandung High-Speed Railway Sees Win-Win Cooperation

### International Cooperation

By Staff Reporters

As a landmark project of China-Indonesia cooperation under the Belt and Road Initiative (BRI), the Jakarta-Bandung High-Speed Railway (HSR)'s sustainable operation over the past year has significantly enhanced the quality of life of local residents. It has also boosted Indonesia's industrial and regional economic growth, and played a crucial role in advancing the country's modernization and development.

### Boosting economic development

The rail named "Whoosh" for its impressive speed is the first high-speed rail in Southeast Asia, capable of reaching speed up to 350 kilometers per hour. By October 2024, Whoosh had transported 5.79 million passengers, including 300,000 international tourists from 159 countries, according to PT Kereta Cepat Indonesia-China, a joint venture consortium between Indonesian and Chinese firms that constructed the HSR and operates it.

Whoosh has enabled many local residents, who previously relied on agricultural income, to enhance their finances by opening food stalls and retail outlets.

It has not only slashed the journey time between Jakarta and Bandung from over three hours to just about 40 minutes, but also created more economic opportunities. Around the bustling train stations, new residential areas, traditional markets, and shopping centers have emerged, stimulating local economies.

Small businesses are thriving in the burgeoning community-based economic ecosystem surrounding the train stations, said Bey Machmudin, acting governor of West Java, according to Xinhua.

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## WEEKLY REVIEW

### Researchers Design Self-cleaning Electrode

Chinese researchers have developed a novel self-cleaning electrode by constructing a micro-nanostructure of a highly active catalyst, achieving highly stable synthesis of alkaline-earth metal peroxides. This study was published in *Nature Nanotechnology* on October 28.

### China's Amphibious AG600 Completes Flight Test

China's AG600 large amphibious aircraft passed an airworthiness validation flight test of its minimum unstuck speed on October 25, the Aviation Industry Corporation of China (AVIC) has announced. The AG600 amphibious aircraft family is China's first independently developed, large-sized, special-purpose civil aircraft family. 'Chengdu-made' Humanoid Robot Debuts

The Konka-1, an ultra-lightweight humanoid robot developed by the Chengdu Humanoid Robot Innovation Center, was launched on October 28. It is the world's lightest humanoid robot, weighing only 25 kilograms, and can carry a maximum load of 5.5 kilograms. It also has the longest battery life of up to eight hours.

### Polar Bears Face Higher Risk of Disease

As the Arctic warms, polar bears face a growing risk of contracting viruses, bacteria and parasites that they were less likely to encounter just 30 years ago, according to a study published in the scientific journal *PLOS One* on October 23. Wildlife biologist Karyn Rode from the U.S. Geological Survey said it showed that something was changing throughout the whole Arctic ecosystem.

### Emissions Gap Report 2024 Released

The *Emissions Gap Report 2024* released by the United Nations Environment Programme on October 24 says the current climate policies will lead to an average global temperature rise of more than 3°C by the end of the century compared to pre-industrial times, more than double the global temperature rise target set in the 2015 Paris Agreement.

## New Graphic



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