

# Forum highlights challenges to intelligent connected vehicles

Li Pin and Li Xinran

THE Jiading District Intelligent Connected Vehicles and Cyber Security Forum was held on September 8.

The forum concentrated on the challenges and threats that intelligent connected vehicles are encountering, industry-related security standards, rules and regulations, cyber security solutions and technologies, as well as the latest research achievements and solutions to ensure the security of intelligent connected vehicles.

The Jiading District Automotive Enterprise Cyber Security Alliance was established during the forum.

There are over 200 key ICV firms in Jiading, forming a full industry chain ecosystem from software research and development to hardware production and operation.

As the application scope of intelligent connected vehicles continues to expand, issues such as remote attacks, malicious control, privacy protection and data security are becoming increasingly prominent.

"Preventing security risks is a systematic project that requires the joint efforts of various sectors including the government, industry,

academia and research so as to build a protective ecosystem and better promote the development of the automotive industry," said Hui Zhibin, chief researcher of Cyber Research Institute.

"The Jiading District Automotive Enterprise Cyber Security Alliance has built a platform that will help create a secure, open and integrated ecosystem of auto industry."

Hu Miao, a digital security expert with Nio, noted that the intelligent cabin does have security weaknesses, such as the exposure of many security interfaces in vehicles, which may be exploited by hackers to attack cars.

Liu Jianhao, head of information security at Baidu Apollo, agreed that as intelligent driving has entered the data-driven era, security risks have now become prevalent.

In the round table discussion on possible cyber attacks and reactionary strategies, guests shared their insights on the current cyber attacks and security risks faced by ICVs. Suggestions were made to improve the security of the vehicle onboard systems, enhance the security guarantees of the Internet of Vehicles platform, and establish a new cyber security management model that harnesses various social forces.

## Jiading District hosts cybersecurity week

A carnival to mark the 2023 China Cybersecurity Week was launched in Jiangqiao Town on September 8 with 104 cybersecurity promotion activities being hosted over the following week in Jiading of Shanghai and Kunshan and Taicang in neighboring Jiangsu Province. It was the fourth cybersecurity carnival co-hosted by Jiading, Kunshan and Taicang since the establishment of a strategic alliance among the three cities on cybersecurity.

The North Hongqiao Cyberspace Theme Park also opened to the public on the same day. The first of its kind in the city, the park offers visitors basics on cybersecurity-related information, as well as some cyber violence cases for education purpose.

(Xi Rou and Li Xinran)

# Concerts and dramas for all ages in theater's performance season

Ma Yue

THE Shanghai Poly Grand Theater's 9th anniversary performance season raised its curtains this month with 26 national and international stage productions planned through the end of the year, including concerts, dances, dramas, traditional operas, as well as shows for a family audience.

Classical guitarist Su Meng's musical play "Spanish Fantasia," staged on September 1-2, served as the curtain-raiser for the performance series. Flamenco artists from Spain were invited to join the show, making it suitable for both adult and young audiences.

German musicians Andreas Kern and Paul Cibis staged a piano battle on



The curtain has been raised for the 9th anniversary performance season at the Shanghai Poly Grand Theater.

September 2, inventively and humorously presenting the classical and modern sides of the instrument. Audiences were invited to vote for their preferred piano player during the performance.

Spanish pianist Mario Alonso's recital is scheduled for October 29.

The Poly Grand Theater's dance program list includes popular works such as "A Dream of Red Mansions" by the Jiangsu Center for the Performing Arts, dance drama "A Timeless Scroll: Unfading Green," and rising choreographer Wang Yabin's "The Lady from the Sea."

In drama, the Shanghai Dramatic Arts Center's "And Then There Were None" will be performed in October.

Original Chinese musical "Hamlet" will open to audiences in November. "A Shakespearean Adventure for Young Lads," based on the great writer's life story, is suitable for a family audience.

This year, the theater will continue its Social Aesthetic Education project, introducing low-price, high-quality shows to attract more people.

The shows include pianist Du Tianqi's recital on September 26 and a fortepiano recital by Wang Yuehan on October 18. Ticket price ranges from 30 yuan (US\$4.10) to 80 yuan.



A smart garbage recycling bin in the Qiuzhufang neighborhood. — Li Lanyu

# Getting paid for recycling with smart garbage bins

Li Lanyu and Li Xinran

THE Jiading Industrial Zone has piloted the implementation of intelligent garbage recycling bins, with an aim to recycle waste materials via paid recycling, providing convenience for local residents.

A blue recycling bin next to the waste disposal spot in the Qiuzhufang neighborhood of the zone has five discharge slots. It can be used to sort different types of recyclable materials: wood, plastic, metal, fabrics and cardboard boxes.

The bin is also equipped with glass recycling containers and hazardous waste containers.

The intelligent recycling bin adopts a WeChat mini-program, and every time it is used for real-time settlement, it automatically calculates the price. But people can only withdraw when the total reaches 10 yuan (US\$1.4) and above.

After scanning the QR code on the screen, different types of recycling options will be displayed. People can get a clear idea about the price of each waste: 10 cents per kilogram for wood, half yuan per kilogram for plastic, 60 cents per kilogram for metal, 30 cents per kilogram for fabrics, and half yuan per kilogram for paper.

"This recycling bin is open 24 hours a day, which is very convenient for us. And I have used it more than 10 times," said a resident surnamed Zhang.

Recyclable waste won't pile up at my house any more and I can get paid for recycling them, which is really good, she added.

Fan Shujian with the Jiading Industrial Zone garbage sorting office said that the operation and maintenance of these recycling bins is also intelligent — the bin is equipped with a sensor which checks whether it is overloaded.

Whenever the overload sign is on, the bin cannot be opened and a message will be sent immediately to the operation center, which then dispatches personnel to clean up.