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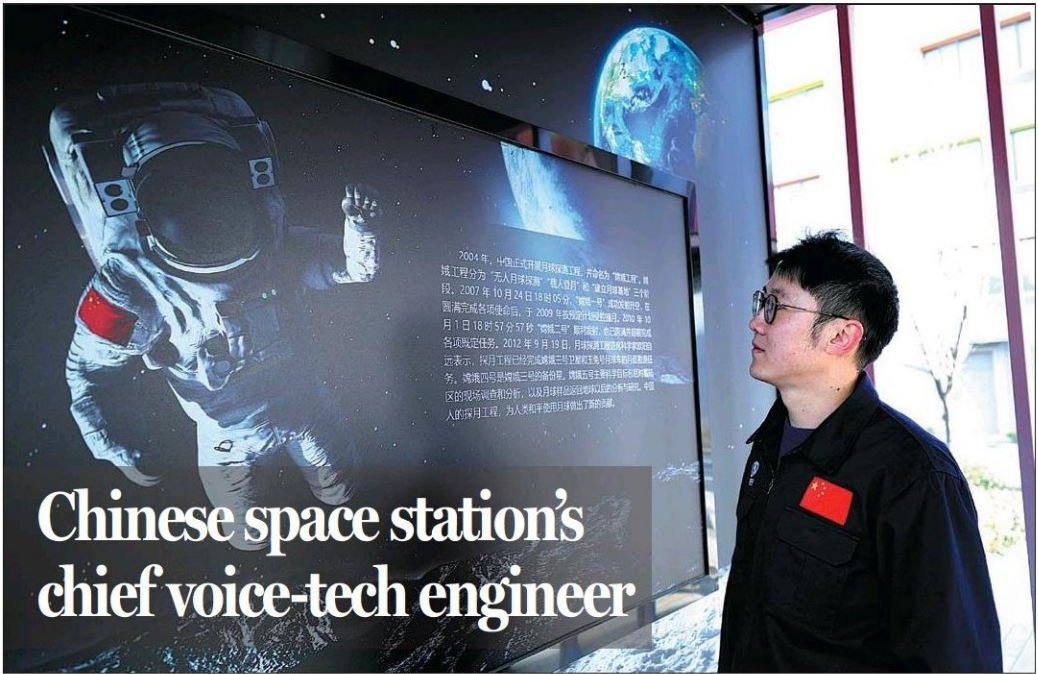
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IMAGE



From left to right: Lu Bin (right) and his colleagues gather for a group photo in the Shanghai Aerospace Innovation and Entrepreneurship Center on Jan 12; Lu Bin and his master Huang Jianqing (right) have a meeting to discuss project designs on Jan 12; Lu Bin (middle) checks equipment data with his colleagues in a laboratory on Dec 30, 2021. PHOTOS BY ZHANG JIANGSONG / XINHUA



Chinese space station's chief voice-tech engineer

Lu Bin visits the Shanghai Aerospace Innovation and Entrepreneurship Center on Jan 12 at Minhang District in Shanghai. ZHANG JIANGSONG / XINHUA

By CHINA DAILY

Lu Bin, born in 1991, is the chief designer of voice equipment for the Manned Space Engineering of the Electronics Institute of the Eighth Academy of China Aerospace Science and Technology Corporation. The astronauts, who are on a "business trip" to the Chinese space station, have unimpeded communication between earth and space, and couldn't do without the communication highway built by Lu Bin's unit.

This highway consists of voice processing, image capturing, data integration, high-speed communication and transmission equipment in space. Lu Bin is mainly responsible for voice processing.

Although Lu Bin was only four years post-graduation, he rapidly progressed under the leadership of his master Huang Jianqing. The space station voice processor he developed

allows for audio communication between space and earth, both within and out of the cabin of the Shenzhou spacecraft. The equipments managed to keep the delay of real-time communication between space and earth within less than 1 second.

The space station voice processor not only allows astronauts to make phone calls inside and outside of the station as if they were at home in space, but also allows telecoms with the Shenzhou spacecraft on the way, and even establishes a group chat. Astronauts can access the chat at any corner of the space station, accurately set single or multiple call objects, and chat while listening to music.

"The road is long, and I will do anything necessary to trek it." This is Lu Bin's motto. His and his teammates' next goal is to realize the intelligentization of the voice equipment of the Chinese space station.



Lu Bin visit the Shanghai Aerospace Innovation and Entrepreneurship Center with his colleagues on Jan 12. ZHANG JIANGSONG / XINHUA



Lu Bin walks and chats with his mother inside a community in Shanghai on Jan 12. ZHANG JIANGSONG / XINHUA



Lu Bin shows his collection of cartoon figures in his room in Shanghai on Jan 12. ZHANG JIANGSONG / XINHUA