September 4-5, 2021

Nation to boost opening up in digital sector BUSINESS, PAGE 6

Flash floods kill at least 46 in four northeastern US states

Heavy toll



香港版 **HONG KONG** WEEKEND EDITION

中国日報 HK \$10 www.chinadailvhk.com

Astronauts chat with students in Hong Kong

By ZHAO LEI in Beijing and GANG WEN in Hong Kong

Astronauts on board China's Tian-

Astronauts on board Chine's Tiangong space shain took part in a video call on Friday aftermoon with students in the Hong Kong Special Administrative Region.
During the live all, which lasted about 20 minutes, the three crew members of the Shenton XII mission — Major General Nie Haisteng, who is also the mission's commander, Major General Liu Boming and Senior Colonel Tang Hongbo — greeted participants in Hong Kong and then answered questions from the students about how they conduct experiments, do physical exercise and drink water. They also showed the students different parts of the colossal space-ferent parts of the colossal space-

They also showed the students dif-ferent parts of the colossal space-craft and demonstrated the functions of some equipment. The event was co-hosted by the Liaison Office of the Central People's Government in the Hong Kong Special Administrative Region, the Hong Kong SAR Government and the China Manned Space Agency. Before the call, participants watched a video about the country's

warring a video about the country's space station program and the Shenzhou XII mission, and listened to a speech by Zhou Jianping, chief designer of China's manned space program, about the latest developments in the space station program.



Astronauts on board the Tiangong space station have a real-tir video dialogue with Hong Kong science workers, teachers and s dents on Friday. LYUXMOWEL/XINHUA

Zhou and several space officials, including Yang Liwel, China's first astronaut and nowa senior planner, took part in the event at the China Academy of Space Technology in Egling via a video link. They also answered questions from Hong Kong residents before the dialogue. At the event's main venue in Hong Kong, Carrie Lam Cheng Yuet-ngor, chief executive of the Hong Kong Ask, told attendees she hopes young

SAR, told attendees she hopes young

SAR, told attendees the hopes young people in Hong Kong could be inspired by the motherland's achievements in space exploration, cherish their dreams, learn from the astronauts and brave difficulties in the pursuit of science.

Tan Theniu, deputy director of the Laison Office of the Central People's Government in the HKSAR, asid the Earth-space video link interaction is a special gift from the central authorities to Hong Kong comparatiots, in particular to the youth.

Hong Kong's technology and innovation sector has bright prospects and offers opportunities for young people. Han added. Hao Chun, director of the China Manned Space Agency, said in Beijing the consision was intended to respond to Hong Kong people's questions concerning the mother-land's space endeavors, foster cooperation and communication between the mainland and Hong Kong, encourage and enable Hong Kong, encourage and enable Hong Kong, encourage and enable Hong Kong youngsters to know about space exploration, and inspire their patriotism and pursuit of adventure

partrousin and purisin or neuverinter and innovation. Astronaut Tang Hongbo said while answering a question: "We mainly focus on three areas of study physics in weightlessness, aero-space medicine and human factor engineering.

See Space, page 2

Space: Students see many opportunities

"We take advantage of this pre-cious opportunity to study the special physical phenomena in the weight-less environment, as well as various physical and mental effects of space flight on astronauts, so as to find a better way for people to work and live in space. These experiments also help us better prepare for finding an 'extra-terrestrial homeland' for mankind."

Ng Ka-wo, a science teacher at a middle school in the city, said he hopes that the call will not only help

students understand the nation's acrospace development, but also encourage them to cultivate a sense concurrence them to cultivate a sense of national identity.

Ng expressed his hope that the Hong Rong SAR government could allocate more resources to mathematics, physics and chemistry so that the city can make a grater production to the nation's science and technology endeavors.

The Shenzhou XII mission was alunched on a Long March 25 carti-

launched on a Long March 2F carri-er rocket that blasted off from the Jiuquan Satellite Launch Center in

northwestern China on June 17. The astronauts entered the Tiangong space station later that day after the two spacecraft docked with each other, and they became the station's first inhabitants.

The three-month Shenzhou XII mission, the mation's seventh

mission, the nation's seventh manned space flight, is part of the Tiangong program, which aims to complete a station in a low-Earth orbit before the end of next year.

Contact the writers at zhaolei@chinadaily.com.cn

IGKON(







Aerospace exchanges between the HKSAR and the Chinese mainland

Oct 31, 2003

Yang Liwei, China's first astronaut, embarks on a six-day visit to Hong Kong. 81



The Hong Kong Polytechnic Unit sity enters into an agreement wi the Lunar Exploration Centre of Commission of Science, T and Industry for National



Astronauts Jing Haipeng, Liu Wang and Liu Yang begin a four-day visit to Hong Kong, after returning from







ne 26, 2021

An exhibition on China's scien Arrientation of clinia's scient tific breakthroughs over the past century opens to the public, alon with a display of lunar soil sample brought back by the Chang'e 5 spacecraft in December.









Youths revel in 'surreal' talk to space

Video call from three taikonauts on board the orbiting Tiangong space station thrills and inspires HK students

Hong Kong in national aerospace projects















By GANG WEN in Hong Kong

Hong Kong's young people were pumped after having an "incredible" and "surreal" video call beamed from outer space on Friday by Chinese astronauts in the Tiangong space

During the video call, part of a During the video call, part of a seminar featuring the nation's aerospace development, students and residents of Hong Kong were shown life in outer space and had snown life in outer space and nad their questions on space answered by the three orbiting taikonauts — Nie Haisheng, Liu Boming and Tang Hongbo, crew members of the space-craft Shenzhou 12.

The conference room at the Hong Kong Convention and Exhibition Centre, where nearly 300 students, scientists and teachers attended the seminar, heard multiple bursts of applause from the excited audience such as when Nie showed how to ride a bicycle with his hands and to rice a Dicycle with his hands and performed tai chi in the Tianhe core module, and when Liu demonstrat-ed how to drink tea from a plastic bag in zero gravity. Before the space video call, a live

question-and-answer session with aerospace experts in Beijing via another video call was arranged. Yang Liwei, China's first astronaut to enter outer space, was among the

Marco Clark, a student in aero-Space engineering at the Hong Kong University of Science and Technol-ogy, called the experience an "incred-ible" opportunity that the country

offered to the city. Clark was also an emcee at the Hong Kong venue of the live call. He said it is also an incredible moment for young students who have a pas-sion for the subject to capture this opportunity and work to become the next generation of taikonauts or

aerospace scientists.

Hong Kong has tremendous potential in promoting the development of related fields with its strong fundamental science and outstand-ing scientists, Clark said, who said he is looking forward to his future involvement in this field and to pro-

viding some insights.

Timothy Wong, a junior of Clark's major at HKUST, said the most









Clockwise from top: Hong Kong students join a video link on Friday with aerospace experts in Beiljing. Tan Tieniu, deputy director of the Liaison Office of the Central People's Government in the Hong Kong Special Administrative Region, speaks at the event. Astronaut Liu Boming shows students how to make a cup of tea on board China's space station. Carrie Lam Cheng Yuet-ngor, chief executive of the HKSAH, addresses the event.xmea

"impressive" and "surreal" part of the event was talking with astronauts in the space station in real time, wav-ing to the astronauts, and watching

nem wave back.

The exchange was a "golden opportunity" for young students like him to deepen their understanding of the long-term vision of their profession, something not available from routine studies in the class-room and in the lab, Wong said. Many students in his major will be inspired to commit to the field after the talk, he added.

Tom Mok Kwan-pui a doctoral nom Mok Kwan-pui, a doctoral student at HKUST, said the astro-nauts' rising to the challenge during missions encouraged him in his daily

work. From now on, he will pay more attention to the design and transfor-mation of his research results into engineering products that may be conducive for national development and the public, Mok said.

Zhang Hongsheng, an ass professor at the University of Hong Kong, was excited to learn that a new space telescope will be installed on China's space station. With a much wider view than the NASA/ ESA Hubble Space Telescope, the planned new telescope will provide more data for satellite remote sens-

In the lobby outside the conference room, dozens of teenagers lined up to have their pictures taken with a cardboard cutout of the three taikonauts. Among them was Leo Venng an

Allong them was Leo reung, an 11-year-old student at an interna-tional school. He said his classmates envied him because of his opportunity to talk to the astronauts. If offered the chance, Yeung said, he would tell them that "you are true

would tell them that you are true heroes of mine? Clark said the event made every-one in Hong Kong proud to be Chi-nese, given the incredible achievements the country has made over the last decade in aerospace. "People in most other countries do

not have the opportunity to achieve the dream of working in space," he

Space talk with taikonauts

Editor's note: In a video call from the Tiangong space station on Friday, three Chinese astronauts on a three-month mission in outer space – Nie Haisheng, Liu Boming and Tang Hongbo — talked to Hong Kong students about living in zero gravity. Yang Liwei, China's first taikonaut to go into space, also joined a live call from Beijing, fielding questions from the curious crowd. I need to gently squeeze the bag

A student from Scientia Secondary School in Ho Man Tin

asks:
Can you exercise in the space station? Can you show us?
Nie: Sure. We must work out to



has a lot of exercise equipment, such as a space bicycle and treadmill. While running on the machine, we need to attach our upper body to it to keep our balance. Bicycling is a cardio exercise that helps us build muscle strength. helps us build muscle strength. In space, we can ride bicycles not only with our legs, but also with our hands while fastering our legs to the ceiling of the station. We also do tai chi for stretching.

While speaking. We node a bicycle in two nositions to show how a

cle in two positions to show how a space workout is done.

A student from St Paul's Co-

educational College in Mid-Levels

Where does water come from in space, and how do astronauts drink it?



the cold air to extract condensed water, and the other is by distilling water from urine. In both, we need to remove ionic pollutants and organics, and add some salt before the process to preclaimwater. to reclaim water. We use water for three main

We use water for three main purposes. One is to refill space-suits, which have lots of tubes to hold water to reduce the heat. The water can also be used to produce oxygen, and it is also for drinking. To drink water in space takes a special technique. For an astro-

naut who loves "kung fu tea", water is precious. Let me make a cup of a, and show you how to drink it

to make a floating water ball of just the right size, and then I can slowly drink it when the ball is floating A student from the Chinese

A student from the Crimese Foundation Secondary School in Siz Sai Wan asks:
Can you see satellites outside the space station? Do the stars look the same in space as they do on Earth?
Line I feel year, lucky to be living

Liu: I feel very lucky to be living in such a good time when genera tions of workers have raised the level of our national aerospace inlevel of our national aerospace in-dustry to where it is now. We have seen the grandeur of Earth and magnificent scenes during two spacewalks. It's like a sci-fi movie. The most unforgettable moment was when we opened the hatch.
"Beautiful" does not even come
close to describing what we saw.
Looking at the horizon, the
rainbow was colorful; on the right.

the sun had just risen. Without the atmosphere, the sunlight was radiant. Looking down, the blue planet was at our feet. We saw the Atlantic Ocean and the Mediter-ranean Sea: we saw the smoke of Afghanistan. The Tianshan Mountains in Xinjiang, the Takakamakan Desert, and the Himalayas. We also saw Victoria Harbour in Hong Kong, as well as the capital. Beijing.
Soon, the night fell and the sky

the sun had just risen. Without

Beijing.
Soon, the night fell, and the sky
was full of stars. From the ground,
we see stars blinking because of
the atmospheric refraction. But it is different in space.

I hope people from Hong Kong will join our team of astronauts in achieving the Chinese dream and the space dream.

A student from Clementi Secondary School in North Point Why did you become an astro-naut? What do you think is the

coolest thing about the job? Yang: At first, I wanted to be a



projects at that time, so, reevoted myself to aerospace out of my passion and the nation's need, and the country has made progress in economy, technology and overall strength.

strength.
I came to Hong Kong many times and talked to a lot of students. From Shenzhou 5 to Shenzhou 12, astronauts have shown zhou 12, astronauts have shown numerous work and day-to-day scenarios during each mission. Their achievements are all very cool. For me, the coolest moment is when I displayed the national flag and greeted all Chinese peo-ple as the first Chinese astronaut going into space