

# The Chinese "Red Stairs" is Hot in the United States of America

By Mao Xinhui

No. 26 of Anshan Sancun estate, a residential building established in the 1960s, surprisingly became a hit in the United States.

The Society of Experiential Graphic Design (SEGD) recently issued the 2018 Global Design Awards in Minneapolis, Minnesota, USA. "The Red Stairs", submitted by Tongji University College of Design and Innovation, stood out from 338 entries from around the world and won two awards: the Sylvia Harris Award and the Honor Award.

The jury believes that the "simple, inexpensive and highly thoughtful gestures activate an otherwise forgotten space. Beautiful, extremely

simple and with the power to both engage and inspire a community."

This year, a total of 37 works were awarded, covering seven areas including digital experience, exhibitions and interactive experience, ranging variedly in motifs from the Ottoman Bank Archives and Museum in Istanbul to London Mithraeum Bloomberg, German Centre for Neurodegenerative Diseases (DZNE) in Stuttgart, and to the Wasserman Football Center in UCLA.

The Silvia Harris Award was created to commemorate Sylvia Harris (1953-2011), a civic designer who encouraged people to drive social innovation and improve everyday experiences with design.

"The Red Stairs" is located in an

ordinary 5-storey residential building in Anshan Xincun estate, Yangpu District, which houses 20 families. Picking up the stairs, we can see different wall designs such as the back pattern, the step by step pattern, long pattern, the windmill pattern, and the ice crack pattern, embodying distinctive Chinese style.

The "Design Intervention in Residential Common Space" is a creative project jointly carried by Siping Sub-district and Tongji University College of Design and Innovation, where students from the college re-design the corridor for the assigned building groups in the community. Through the micro-design and micro-reconstruction of public facilities such as the wall, bulletin boards,

meter boxes and lighting facilities, they intend to turn the corridor into a social space integrating function, interaction, fun and participation, so as to promote the relationship of the neighborhood.

The corridor of No. 26 building is mainly composed of the entrance, an aisle, the wall and stairs. It is the physical interface connecting the whole building, and the public space in the neighborhood. However, the corridor did not have floor signs, and the bulletin board was highly unorganized.

"The corridor is not only a passage space, but also an exhibition hall for public life and the venue for interaction in the neighborhoods." The design team investigated the use of the public space of the corridor and the

lifestyle of the residents, and finally decided to start with the red wooden staircase in the corridor. With the theme of Chinese traditional patterns, they built a set of guide signs and home numbers. "For example, the main pattern on the first floor is 'the back pattern', which means safe return, great and long-lasting fortune; the step-by-step pattern for the second floor represents continuous promotion and a bright future." The team designed a magnet bulletin board so that residents can post all kinds of information, applied the pattern to outline the home numbers, and deployed the plants to decorate the entrance and bulletin board, turning it into a platform for residents to communicate and interact.

## Promote the Development of Rehabilitation Medicine

By Mao Xinhui

Recently, Shanghai First Rehabilitation Hospital held a major medical consultation campaign at Wyndham Shanghai to promote the techniques and methods of physical therapy, and to increase public awareness of diseases and rehabilitation.

At the event, in addition to patients who came to consult on rehabilitation problems such as neck and shoulder pain as well as sports injuries, many other people attended out of interest in physical therapy, who came to experience physical therapy such as manual therapy and deep muscle relaxation instrument.

Sanitation worker Liu Fengcheng had suffered from lumbar vertebrae disease, who felt the numb at the waist after the work. Upon understanding the situation, Amanda M Ferland, a senior physiotherapist at the University of Southern California, instead of jumping to judgement, carefully and inquired about Liu's work and life habits, in all details, "Do you usually use your left or right hand? Which side do you sleep on? When you are not working on a rest day, do you feel numb in this part?" After the inquiry, Amanda asked Liu to sit down, stretch the legs, and reach out his hands to touch his feet. "Do you feel the numb on your toes?" After getting a negative answer, Amanda let Liu lie down, stretch his arms and make a few moves, and af-

ter a comprehensive physical function assessment, he said: "Do not worry, nothing serious. I will teach you a few moves, and if do it every day, you can effectively solve the problem."

"When I visited the hospital for my waist problems, they only suggested taking medicine, but Doctor Ferland was asking about my life habits carefully, and taught me how to exercise every day, and the postures I should use in my work." The physiotherapist's diagnosis and treatment was new to Liu.

It is reported that the University of Southern California, ranking first in the United States for physical therapy, is a world-renowned institution of advanced physiotherapy and motor skills. Since last year, Shanghai First Rehabilitation Hospital has cooperated with USC to invite the experts in physical therapy to serve as hospital clinical instructors, and provide systematic teaching and clinical one-on-one guidance to orthopedic and sports rehabilitation for its rehabilitation therapists.

In order to further promote the development of rehabilitation medicine, and constantly improve the clinical quality of rehabilitation medicine, therapy and engineering, on September 4, the "Physical Therapy Clinical Teaching site, University of Southern California" was unveiled at the Shanghai First Rehabilitation Hospital.



## Lightening System Upgrade for Pentagon Plaza

By Gao Liang

Built in 2006, the Pentagon Plaza, aka. Wujiachang, is a landmark in Yangpu District. The District is to re-design and upgrade the lightening system for the third time as some facilities have been damaged and dimmed after years of use.

The lightening system upgrade

will replace the existing light bulbs dotting the framework with more energy-efficient and environmental-friendly LED bulbs. Apart from that, LED DM X512 control system will be applied, which enables the display of pixel values from 0 to 65535 for each light bulbs, with higher resolution.

It will take 90 business days as

the Plaza is located near a transportation hub. The project undertaker plans to deploy two 21-meter-high movable aerial work platforms in the Southern Plaza and two 28-member-high work platforms in the Northern Plaza. Daily construction will start after 11 pm after the traffic is closed, with the drive way to the North as the temporary site.

## the 1st Fully Autonomous Bus Makes its Debut

By Zhang Bei

On Sept. 18, Apolong, Baidu's first L4 commercially deployed fully autonomous bus made its debut in Changyang Valley, Yangpu District. Different from conventional buses, Apolong has no wheel, driver seat, pedal or brake. The debut marked the

District's in-depth cooperation with Baidu on AI development, as Baidu Innovation Center (Shanghai) will be founded as well.

How should we address unexpected scenarios, such as in the event of a hack or hardware malfunctions? Wang Liang, the chief R&D architect for Baidu's smart driving unit, ad-

dressed those concerns by unveiling the model's latest AI technical deployment and introducing one-stop solution for autonomous vehicle in terms of supporting system, safety, human-machine interaction, massive production, and operation. Wang attended the 2018 World AI Conference Shanghai. "For cyber-security, we

apply unified security management products against hijackers or hackers. For vehicle functions, we use in-vehicle monitoring system to track sensors. Simulation system installed also enables the bus to flexibly address contingencies. Moreover, black boxes are installed to record data for subsequent analytical and

statistical purposes," said Wang.

"We won't stop here," Wang added, "in the future, we will achieve massive and commercial application of those vehicles, enabling them to drive on actual roads. "According to sources, Apolong is allowed to run in the Valley, and likely to be allowed in certain downtown areas next year.