

TCM Robot is Expected to be Put into Use Next Year

By Zong He

In the future when you are going to the Traditional Chinese Medicine hospitals in Shanghai, you are treated probably not by a doctor, but an artificial intelligent robot. This is not something like fantasy, but an idea that is expected to turn into reality in March or April next year. Professor Feng Jianfeng from the School of Mathematical Sciences of Fudan University, the chief expert of Shanghai Center for Mathematical Sciences said recently that a team of Fudan University is working with Shanghai University of Traditional Chinese Medicine in the development of an intelligent TCM robot. The robot is said to be able to give more precise diagnoses by avoiding subjective opinions and making use of the experience of many TCM physicians. The robot TCM-1 is planned to be released in March or April next year.

At the Eastern Forum of Science and Technology held by Fudan University, Mr. Yang Xiongli, a fellow of

Chinese Academy of Science said that the brain-like computing and artificial intelligence research are the important part of the China Brain Project that is about to launch.

It's reported that brain science aiming to explore how brain works is one of the world's leading sciences of this century. Between 2013 and 2014, the United States, Europe Union and Japan successively launched major brain research plans, which China has listed as one of its "Major Science and Technology Programs Concerning China's Future Development". Besides, "China Brain Plan" is under discussion and will be launched soon. Mr. Yang Xiongli stressed it's the ultimate challenge for human beings to explore the brain and that the development of brain science will greatly promote the prevention and cure of brain diseases as well as the growth of information and smart industry. It's said that "China Brain Plan" will conduct researches of brain study, protection and imitation, gradually forming a research pattern of "one body"

(basic research of brain cognitive principles) and "two wings" (researches of serious brain diseases and brain-like artificial intelligence).

Professor Ma Lan, dean of the Brain Science Research Institute of Fudan University, said over 1/4 of the global death toll are caused by brain diseases. So far, 1/4 of the Nobel Prize-winning programs are about brain science. Despite science development, humans still possess limited knowledge of the brain.

Shanghai Municipal Government has designated brain science and artificial intelligence as a major science and technology program, a significant measure of developing Shanghai into a science and technology innovation center with global influence. Leading and working with a dozen of universities such as Zhejiang University, Huazhong University of Science and Technology, Tongji University, Shanghai Jiaotong University and institute of Chinese Academy of Science, Fudan University has established a "Brain Science Collaborative

Innovation Center" to promote brain science researches and the application of the research results, thus participating in and boosting the implementation of "China Brain Plan".

According to sources, thanks to the integrated advantages of medical science, mathematics, neurology, as well as other disciplines, Brain Science Research Institute and Brain Science Collaborative Innovation Center of Fudan University have made a lot of progress in brain research. For instance, according to one research which showed the origin of the interneurons in the cerebral cortex of primates, scientists were able to analyze the origin and transferring direction of the interneurons in human cerebral cortex. Another research explained how neuron network is formed and found a new formation mechanism of the neuron network in human brain.

As a key member of the Collaborative Innovation Center, Prof. Feng has found in human brain a hormone which has a special function of

strengthening the emotional communication between people. It was concluded that breast-feeding not only is good for the baby's health, but also can foster the emotional connection between the mother and the baby. In addition, in a study on depressed patients, he found a lack of "hate circuit" in their brain, and concluded that one of the main causes of depression is that: "without hatred, they can find no other way to outlet their grievance than to hurt themselves."

It has been told that a major project named "Brain Science and Brain-like Artificial Intelligence", which was jointly launched by Shanghai Municipal Government, Chinese Academy of Sciences, and Chinese Academy of Engineering, with a focus on the R&D and industrialization of brain-like artificial intelligence, has accomplished many tasks, such as the establishing of a platform for big scientific data and brain simulation, and the R&D of software systems of brain-like artificial intelligence.



Shanghai Municipal Tourism Administration has recently announced the list of top ten parks where people can enjoy cherry blossoms best through its official wechat. Flowering time information is also announced to easy visitors to the parks. Gongqing Forest Park and Yangpu Park in Yangpu are among the top ten parks. ■Photography by Mao Haiping

Shangjingyuan PRH to Adjust Rental

By Ying Shenyi

As learned from www.shgjj.com, the website of Shanghai Housing Provident Fund Management Center, the two public rental housing (PRH) projects, including Shangjingyuan in New Jiangwan and Shanghai JingchengJinghua-fang, will slightly adjust the rentals from next month. The rental details for 2015 for each tenant have been announced.

According to the "Rental Management Methods for Public Rental Housing of Shanghai Housing Provident Fund Management Center (Trial)", Shanghai Housing Provident Fund Management Center has adjusted the rentals for the two PRH projects in accordance

with the evaluation result on market rental level by qualified professional evaluation agencies while sticking to the principal that the rental shall be lower than the market level. The average monthly rental for Shangjingyuan has been adjusted from RMB41.45 to RMB42.5 per square meter of the construction area, which means an increase about RMB50 every month for a tenant of one-bedroom apartment here.

The rental adjustment will be effective from April 1 2015 to March 31 2016. For leasing contracts signed during the above-mentioned period, the adjusted rental and deposit will be applied. For leasing contracts that become effective before April 1 2015, the rental will not be adjusted.

Tongji Offers Course to Introduce Industry 4.0

By Zong He

Tongji University has recently launched the course of "Introduction to Industry 4.0", the first course on Industry 4.0 in Chinese universities. As an important part to complete students' knowledge network, the course aims to enable students to learn the latest development trend of industries, be familiar about the development of industrial revolutions in history and look into future transformations to be brought about with the fourth industrial revolution. Such future-oriented way of education is quite inspiring to the educational reform in universities. The course is open to all stu-

dents on the campus with students of sciences and engineering as main targets, including the School of Mechanical Engineering and the School of Electronics and Information. Professor Chen Ming is the teacher of this course. "The course helps to integrate theoretical teaching in the university and current development status of factories so that students on the campus can adapt to the development needs of future industry. By taking this course, students will get a basic understanding of the actual development status of industries and get full awareness of what fundamental skills are needed for industrial development in the future," Chen said.

Kia World Extreme Games 2015 to be Held in May

By Zhang Weiwei

The press conference of the Kia World Extreme Games (KWE) 2015 was held at the Oriental Pearl Tower in Shanghai on March 21. The KWE 2015 is co-hosted by Shanghai Sports Federation, Shanghai Media Group and World Sport Group and supported by Yangpu District government, Shanghai Municipal Tourism Administration and Shanghai Oriental

Pearl Group with Kia as the title sponsor. This year's competitions will expand to two venues for the first time with BMX and skateboard Vert held at Oriental Pearl Tower from April 28 to 29 and the other games at Jiangwan Sports Center in Yangpu District from May 1 to 3.

Widely viewed as the Olympics of extreme games, KWE will bring together almost 200 best action sportathletes from over 30 countries and regions competing in Skate-

boarding, BMX freestyle and Speed Climbing. It will welcome the return of the BMX icon Mat Hoffman as a judge and ambassador. This is the ninth year that KWE is staged in Shanghai and the playing field has been upgraded. The venue for the BMX and skateboard Vert is the square under the Oriental Pearl Tower while the climbing walls, street courses, motorcyclecourses and platforms are located at the Jiangwan Sports Center.