

Cooperation in Jointly Building NGB-W for "Internet +" Smart City

By Zhang Weiwei

On January 15th, Yangpu District and Shanghai Oriental Pearl Media Co., Ltd. signed a strategic cooperation agreement to share resources and advantages with each other on the basis of Next Generation Broadcasting Wireless System (NGB-W), thus laying a solid foundation for building the vital area of the science and innovation center, facilitating new media convergence and developing Shanghai into an "Internet +" smart city.

Developed for mobile applications and using the gold frequency spectrum of radio and television,

NGB-W is a media network based on intelligent convergence and integrates the advantages of radio and television wireless broadcasting, broadband mobile communication and internet, and functions of multicasting, interaction, high-speed access and controllability.

Through the cooperation, the national NGB-W Technology Lab will emerge in Yangpu District, promoting the construction of nationwide NGB-W demonstration zone by guiding its standard formulation, industrial exploration and strategic planning. The two sides will gather together relevant application service companies and select some commu-

nities, schools and business districts to build pilot smart communities which can provide smart services beneficial to residents, including applications of smart stores, smart home furnishings and smart charging posts. At the same time, through the network monitoring system, the two sides will work together with relevant companies to build a big data center for data collection, analysis and processing, providing services for the further development of network applications.

Shanghai Oriental Pearl Digital TV Co., Ltd. is a branch of Shanghai Oriental Pearl Media Co., Ltd. and the major organizer of China NGB wire-

less experimental network project, dedicated to building the next generation media network based on intelligent convergence. According to the overall scheme of the State Administration of Radio, Film and Television, the NGB-W project has completed the construction of experimental network, the technical verification, the making of technical norms and the testing of applications. In October, 2015, the NGB-W experimental network has passed the check and acceptance.

The cooperation will help Yangpu District enhance its information infrastructure construction. Specifically, it will improve the level of the

district's informationized applications in an all-round way, thus contributing to the building of the new all-around informationized public service application system; speed up the construction of e-government characterized by information sharing and system integration, increasing government service efficiency; and bring in leading enterprises, R&D centers and science and technology service organizations in areas of new technologies to develop Shanghai into a science and technology center, thus significantly enhancing the district's innovation ability by forming an industrial chain representing future science and technology.



On January 18th, The Innovation & Entrepreneurship Education Alliance of Shanghai (IEEAS) was jointly launched by Fudan University, Shanghai Jiaotong University, Shanghai University of Finance and Economics, Tongji University, East China Normal University and University of Shanghai for Science and Technology at the Entrepreneurship and Innovation School of Shanghai University of Finance and Economics. At the same day, the first Shanghai Innovation and Entrepreneurship Education Forum was also held. On the site of the activity, the innovation and entrepreneurship education achievements of Shanghai universities were exhibited and there was also an entrepreneur fair of Shanghai university students.

Photography by Mao Xinhui

Social Supervisors of Tourism Service Quality to Work

By Mao Xinhui

Recently, 13 social supervisors of the quality of national-level tourism services in Yangpu District began to carry out their duties by making irregular direct investigations and secret interviews about the tourist market. Specifically, issues including illegal one-day tours, deceptive tourist advertisements, low-price shopping groups and the construction of tourist washrooms will become the focus of the supervisors' attention.

It's told that these supervisors were selected by Yangpu District from the district's People's Con-

gress, market supervision department, law enforcing department and health supervision department, according to the unified deployment of China National Tourism Administration about the "ten thousand social supervisors" of tourism service quality. During the two-year term of appointment, the supervisors will supervise the tourism service quality during their travels or daily work, and offer feedback on problems that they found through the unified national information system.

Shanghai Municipal Tourism Bureau offered pre-job training to these social supervisors and invited experts in the areas of tourism

quality supervision, law enforcement and the science of law to interpret relevant legal provisions and analyze common quality problems of tourism services and typical cases of illegal tourist behavior.

As to the problems fed back by the supervisors, Shanghai Municipal Tourism Bureau promises to "response to every problem" so as to create a beautiful environment for tourists. "Because tourism services are directly offered to consumers, to meet the interest of consumers, the building of social supervisor system will mobilize social forces as many as possible to jointly promote the healthy development of tourism."

Fudan University Invents New Denitration Catalyst

By Zong He

Recently, the research team led by professor Tang Xingfu of the Environmental Science and Engineering Department of Fudan University developed a new denitration catalyst which resists both alkali metal and SO₂. The new technology can effectively control the emission of NO_x, precursor of PM_{2.5}, thus playing an important role in reducing the secondary particle pollutants transformed by NO_x in air. The relevant achievements have been published in the magazine called Environmental Science and Technology with Huang Zhiwei, a Ph. D. student of Fudan University, as the first author.

Mr. Tang said that the process of controlling the emission of NO_x is exactly denitration, i.e. the pro-

cess of transforming the harmful NO_x into innocuous and harmless nitrogen. The production of the catalyst is critical to the process. Alkali metal and SO₂ in smoky environment are two major toxic substances against SCR catalyst, the active sites of which once are occupied by the two substances, the SCR reaction will be cut off and the catalyst will react as if being poisoned, losing activity and functions.

The new denitration catalyst developed by the research team led by Mr. Tang can not only resist alkali metal and SO₂, but also exist more than 10 times longer than traditional catalysts. The technology can be extensively used to control the emission of NO_x from thermal power plants, factories of heavy industry and vehicles.

"Yangpu Citizen Cloud" Service Further Updated

By Mao Haiping

It's told recently that "Yangpu Citizen Cloud" APP has added a new service, namely online "preliminary handling" of personal affairs on the "Government" channel (trial operation). As a result, users can use the function of preliminary handling of personal affairs at online Yangpu government hall of the APP to automatically input personal information in affair handling service forms through citizen cloud authorization system, avoiding repeatedly filling out forms. This kind of one-stop delivery of personal data is the first in Shanghai.

In recent two years, the "Yangpu Citizen Cloud" has been committed to meeting Yangpu citizens' demands of "consulting fewer people and service windows and running for fewer times" and taken full advantage of the convenience of

mobile internet to offer appointment services concerning affair handling, culture and livelihood in many sub-districts and towns, thus bringing residents a brand new community lifestyle featured by "zero waiting and no queuing".

It's told that the first five issues that can enjoy "preliminary handling" are applying for the approval of legal aid; the check and approval of teenagers at the age of accepting compulsory education not to go to school, dropping out of school and suspending schooling; the handling of district-level and municipal-level medical identification of disabled kids; second- and third-grade athletes; and the approval of changing nationality.

It's also reported that, during the Spring Festival, "Yangpu Citizen Cloud" will launch a new interface with a series of new services and functions concerning people's livelihood.