

## **MEDIA RELEASE**

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Total: 4 pages including this page

### **China wireless standards group holds meeting in Singapore for the first time**

**Singapore, 16 March 2011** – The China Wireless Personal Area Network (CWPAN) standards meeting, that has traditionally been held within China for the past five years, will be held in Singapore for the first time.

A\*STAR's Institute for Infocomm Research (I<sup>2</sup>R) will be organizing the 20th CWPAN standards meeting pioneered by the Wireless Personal Area Networks (WPAN) Working Group of China's National Information Technology Standardisation (NITS) Technical Committee. The meeting will be held at I<sup>2</sup>R's facility in Fusionopolis from 18-19 March 2011.

Of particular interest is the appointment by CWPAN of Dr. Peng Xiaoming from I<sup>2</sup>R as Chair of the 60GHz project group. This is the first time that someone who is non-resident in China has been bestowed this honour. The IEEE 802.11 working group has also appointed Dr. Peng as the liaison officer to liaise between the IEEE 802.11 and CWPAN committees on 60GHz standard development. A joint meeting between these committees will also take place in Singapore to discuss cooperation on the 60GHz standard development.

I<sup>2</sup>R's involvement in China's WPAN standards development helps local companies incorporate these standards into products intended for the China market. I<sup>2</sup>R has been involved in CWPAN since June 2007 and has made significant contributions to its standards.

Professor Lye Kin Mun, Executive Director said, "It is a rare honour for I<sup>2</sup>R to host the China WPAN meeting in Singapore. We are very excited that an I<sup>2</sup>R

researcher, who works and resides in Singapore, has been selected to be Chairperson of the 60GHz project group. These meetings provide a great opportunity for sharing our research and development work in wireless communications amongst a community dedicated to bringing technologies to the market through standardisation. It also fosters networking efforts between the WPAN group in China and other global partners and I believe Singapore is the right place to do this. I wish the event every success”

The CWPAN working group was launched in December 2005. Their members hail from industries, research institutes and universities including organisations such as Huawei Technologies, the Chinese Academic Science (CAS) and Fudan University, to name a few. Other participants at the joint meeting will include representatives from international companies such as Intel, MediaTek, Panasonic, NICT, CSR and HTC.

As one of the working groups under NITS, CWPAN is responsible for defining technical specification for WPAN which is a personal network for interconnecting devices such as personal computers (PCs), personal digital assistants (PDAs), cell phones, wireless tags and consumer electronics wirelessly.

The main goals of a WPAN are ease of installation, reliable data transfer, short-range (within 20 meters) operation, extremely low cost and a reasonable battery life, while maintaining a simple and flexible protocol. China’s consumer market has the potential to account for a significant share of growth for the world’s leading consumer oriented companies in the coming years.

IEEE 802.11 is the working group for Wireless Local Area Networks (WLAN) within IEEE 802 LAN/MAN Standards Committee (LMSC). This working group has defined a set of standards for the 802.11 physical layers (PHY) and the 802.11 Medium Access Control Layer (MAC) implementing WLAN computer communication in the 2.4, 3.6 and 5 GHz frequency bands, known as IEEE 802.11a/b/g/n. IEEE 802.11ad is the new task group within IEEE 802.11 working group to define standardized modifications to both the 802.11 PHY and the 802.11 MAC Layer to enable operation in the 60 GHz frequency band (typically 57-66 GHz) capable of very high throughput.

The CWPAN 60GHz project group is a new project group within CWPAN working group and was launched in March 2011. The 60GHz project group is to define a project for a physical (PHY) layer, a medium access control (MAC) layer and protocol adaptive layer (PAL) to enable multi-Gbps transmission in China's unlicensed 60GHz frequency bands.

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## **Background**

### **About China National Information Technology Standardisation Technical Committee (NITS)**

China National Information Technology Standardization (NITS), which is led by National Standardization Administration Committee and Ministry of Industry and Information Technology (MIIT) of the People's Republic of China, is responsible for the national standardization in information technology and ISO/IEC JTC1 related areas.

China NITS deals with information technology standardization for Chinese IT industries, e.g. China WAPI Wi-Fi Security Standard. The major responsibilities are creating regulations, designing and developing the systems and tools for information collection, representation, processing, security, transmission, exchange, management, organizing, storage and indexing. China NITS was found in 1983. Currently, it consists of over 24 sub-committees and special interest working group and the largest national standardization committee. Website: [www.nits.gov.cn](http://www.nits.gov.cn)

### **About Institute for Infocomm Research**

The Institute for Infocomm Research (I<sup>2</sup>R - pronounced as i-squared-r) is a member of the Agency for Science, Technology and Research (A\*STAR) family. Established in 2002, our mission is to be the globally preferred source of innovations in 'Interactive Secured Information, Content and Services Anytime Anywhere' through research by passionate people dedicated to Singapore's economic success.

I<sup>2</sup>R performs R&D in information, communications and media (ICM) to develop holistic solutions across the ICM value chain. Our research capabilities are in information technology and science, wireless and optical communications, and interactive digital media.

We seek to be the infocomm and media value creator that keeps Singapore ahead. Website: [www.i2r.a-star.edu.sg](http://www.i2r.a-star.edu.sg)

### **About the Agency for Science, Technology and Research (A\*STAR)**

The Agency for Science, Technology and Research (A\*STAR) is the lead agency for fostering world-class scientific research and talent for a vibrant knowledge-based and innovation-driven Singapore. A\*STAR oversees 14 biomedical sciences, and physical sciences and engineering research institutes, and nine consortia & centre, which are located in Biopolis and Fusionopolis, as well as their immediate vicinity.

A\*STAR supports Singapore's key economic clusters by providing intellectual, human and industrial capital to its partners in industry. It also supports extramural research in the universities, hospitals, research centres, and with other local and international partners.

For more information about A\*STAR, please visit [www.a-star.edu.sg](http://www.a-star.edu.sg)