

# Curriculum Vitae Changyong Pan / September 2017

## 1. Personal details

Name: Changyong Pan  
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## 2. Higher Education

<u>Date:</u> <u>From</u>	<u>Institute</u>	<u>Degree</u>	<u>Area of specialization</u>
1996-1998	Tsinghua University	Master Supervisor: Prof. Zhixing Yang	Electronic Science and Technology, “Programmable multi-speed demodulator for remote sensing satellite”
1991-1996	Tsinghua University	Bachelor	Electronic Information Science and Technology

## 3. Appointments

<u>Date</u> <u>:</u>	<u>Institute</u>	<u>Title</u>	<u>Research area</u>
2010- Present	Lab. For DTV(Beijing)	Vice director	Digital multimedia

2014-2016	DTV R&D Center , Tsinghua University	Vice director	Digital multimedia
2016-Present	Research institute of information technology	Assistant Dean	Digital Transmission of

#### 4. **Additional Functions/Tasks**

##### **Total 180 Papers, 8 Books, and 34 Patents.**

Changyong Pan is a full professor with the Research Institute of information technology and vice director of DTV R&D Center of Tsinghua University, Beijing, China. He is actively involved in Chinese DTTB standard process as one of the major technical contributors, including algorithm development, system design as well as hardware implementation, standard drafting, especially in charge of all field trials and related system-level research and development. He has been a Member of Chinese ITU-R delegation group for the Chinese DTTB standard, representing China to present in Geneva in DTV area several times and is now the contact person for DTTB-related issues. He is the key working group member for the serial national equipment standards related to the DTTB. Prof. Pan has authored or co-authored more than 180 technical papers and published 8 technical book. He holds 34 patents, won 1st national technical invention award one times, 2nd national technical invention award two times and is also the winner of numerous other awards.

He takes part in the activity of ITU-R Study Group 6 (terrestrial broadcasting issues) and Rapporteur Groups that developed new Reports and Recommendations.

Prof. Pan is the Fellow of CIE (Chinese Institute of Electronics) and senior member of IEEE.

#### 5. **Other Activities**

##### **Awards:**

- 2016: National Technology and Innovation Prize
- 2014: Technology and Innovation First prize of Beijing Government
- 2013: IEEE Scott Helt Memorial Award
- 2009: Technology and Innovation prize, Chinese Institute of Communication :
- 2008 Academic research pioneer of Tsinghua University, Ministry of Education:
- 2007 New era talent support project of MOE, Ministry of Education:
- 2006: Information Technology Gold Prize of MII, Chinese Institute of Electronics
- 2006: National Technology and Innovation
- 2000: National Technology and Innovation Prize
- 1999: Technology and Innovation First prize of Beijing Government
- 1999: Technology and Innovation Prize First class, Ministry of Education

## 6. **List of Publications (last years)**

### *Main Publication in English*

1. Yu Zhang z, Qingyu Li y, Ling Huang y, Changyong Pan and Jian Song "A Modified Waveform Design for Radar-Communication Integration Based on LFM-CPM" VTC2017—SPRING MAR 19-22, 2017, San Francisco, CA
2. Hanqing Li, Xia Hai, Guofang Sheng, Ye Guo and Changyong Pan Research on the Compatibility Between FM-CDR and Aeronautical Radio Navigation Service ILS/VOR 2017, BMSB "pp.496-500 June 7-9, 2017, Cagliari, Italy "
3. Jingjing Liu, Chao Zhang, and Changyong Pan, " Priori-Information Hold Subspace Pursuit: A Compressive Sensing Based Channel Estimation for Layer Modulated TDS-OFDM IEEE Transactions on Broadcasting, "vol.64, no:1, pp.119-127, MAR 2018 "
4. Jingjing LIU, Chao ZHANG, and Changyong PAN, Reliable Transmission Parameter Signalling Detection for DTMB-A Standard IEICE Transactions on Communications, Vol. E100B, No. 12, Dec. 2017
5. Yue Sun, Jintao Wang, and Changyong Pan, A Polynomial Expansion Based Detection: A Low-Complexity Approach for Generalised Spatial Modulation over Transmit Antenna Correlation IWCWC 2017 "June 26-30, 2017, Valencia, Spain pp.1830-1833 "
6. Longzhuang He, Jintao Wang, Changyong Pan, and Jian Song Spectral efficient generalized spatial modulation aided mmWave massive MIMO GLOBECOM 2017 DEC 04-08, 2017, Singapore, Singapore, SINGAPORE

### *Books in Russian*