

# 中华人民共和国工业和信息化部

MINISTRY OF INDUSTRY AND INFORMATION TECHNOLOGY  
THE PEOPLE'S REPUBLIC OF CHINA

Date: July 12, 2016

To: Ms. Areewan Haorangi  
Secretary General  
Asia Pacific Telecommunity

**Subject: Nomination of candidates for the Posts of Vice Chairman and WP Chairmen of the APT Conference Preparatory Group for WRC-19.**

Dear Ms Haorangi,

In response to your letter on "Nomination of Candidates for the Post of Chairman, Vice-Chairmen and Other Office Bearers of the APT Conference Preparatory Group for WRC-19" dated on 1 April, 2016, I am very pleased to nominate Mr. GAO Xiaoyang as a candidate for the position of Vice-Chairman of the APT Conference Preparatory Group for WRC-19, Ms. ZHU Keer as a candidate for the position of WP1 Chairman (Land Mobile and Fixed Services), and Mr. LIU Zhuoran as a candidate for the position of WP4 Chairman (Science Issues).

Mr. GAO Xiaoyang is elected as Vice Chairman of CPM19 at RA-15 and served as WG Chairman on Satellite Allocation Issues at WRC-15, Chairman of APG15 WP4 on Satellite Services, Vice Chairman of ITU-R Study Group 4 during 2007-2015, and Rapporteur of CPM Chapter on Fixed Satellite Services of CPM15. With nearly 30 years' experience in Satellite communications and 20 years active participation in ITU and APT activities, his expertise has been well recognized by the radiocommunication community both in ITU and APT.

Ms. ZHU Keer is serving as Rapporteur of Chapter 1 on Land Mobile and Fixed Services of CPM19, and Vice Chairman of APT Wireless Group. She also served as Chairman of APG15 WP2 on Science Issues. Ms. ZHU Keer has been actively participated in APT and ITU activities for the last two WRC study cycles.

Mr. Liu Zhuoran is current Vice Chairman of ITU-R Study Group 7. He served as Drafting Group Chairman on AI 7 at the WRC-15 study cycle and Chairman of Sub-Working Group on Spectrum Monitoring in AWG.

We are confident that all of those candidates are capable for the relevant positions and will contribute positively for our regional preparations for WRC-19 and RA-19. China will

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continuously support and actively be involved in the radiocommunication activities of APT. Chinese Administration will also take all efforts to support our candidates' commitments in their roles.

Please find the attached CVs of our candidates for your kind consideration.

Yours Sincerely

A handwritten signature in black ink, consisting of three Chinese characters: 尹 (Yin), 青 (Qing), and 林 (Lin). The signature is written in a cursive style with a long horizontal stroke extending to the right.

Director General  
Department of International Cooperation  
Ministry of Industry and Information Technology, P.R.China

# Curriculum Vitae

## Candidate for APG19 WP4 Chair

**Family Name:** LIU

**Given Name:** Zhuoran

[liuzhr@srrc.org.cn](mailto:liuzhr@srrc.org.cn)

+86 10 68009258 (Office)

+86 10 68009260 (fax)

Gender: male

Date of birth: 24 May, 1978

Family: Married with two sons



### Introduction

Mr. Zhuoran Liu has been working in spectrum management and engineering for over 14 years. At first, he was heavily involved in spectrum monitoring from 2001 to 2010 both at the national and international level. Mr. Liu was a chapter Rapporteur on monitoring of space emissions in the Handbook Rapporteur Group, and his work led to two editions of the ITU Handbook on Spectrum Monitoring. He also led the WP1C work toward ITU-R Reports SM.2181 as well as SM.2182, which are used as important supplementary information to RR Appendix 15 for reporting satellite interference. He has made substantive contributions to WP1C on major event monitoring (ITU-R Report SM.2257) and measurement techniques. In Asia-Pacific, he led the AWG SWG on monitoring and produced a number of Reports. Mr. Liu has participated in a number of times the International Space Monitoring Meetings representing the State Radio Monitoring Center of China.

Mr. Liu now works in the area of satellite coordination at the domestic and international level. He is currently responsible for the processing and examination of Chinese satellite network filings, including such science radio-communication services as EESS, MetSat, ISS and SRS. He is also responsible for coordination between or among Chinese satellite networks. He played key roles in the resolution of many difficult compatibility impasses among space science services and other services in China. He is a technical and regulatory advisor for a number of state satellite projects aiming at providing such services. He has worked for Chinese EESS satellite operators at several bilateral coordination meetings. Mr. Liu is also an active member of the Chinese Domestic Study Group on ITU-R SG 7 Affairs and a similar group on SG 4 and has made significant contributions to those groups.

Mr. Liu is currently a vice-Chairman of ITU-R Study Group 7. Being active in its activities, he is the Chairman of WG7B-2 on deep space communications issues. He

has participated at and contributed to a number of ITU and APT meetings on satellite regulations and procedures, including WP4A, the Special Committee, the CPM, the APG and WRC-12. He co-chaired a DG on AI 7 at APG15. These experiences are an important asset in carrying out his duties in the science-service related activities. He led a number of studies or projects in China, including designing of the Procedures for National Regulations for Satellite Coordination and Notification to the ITU (to be released by MIIT soon), studies on regulatory aspects on nano- and pico-satellites, annual progress reports on RRB cases and new Rules of Procedures, and inconsistencies of the Radio Regulations.

Mr. Liu has worked for the ITU as a short-term translator with the Chinese Translation Section before and during the CPM15-1, RA15 and WRC-15. He played a unique role not only as competent translator but also as a consultant in terms of technical and regulatory issues. Thanks to this background, he gained a good experience working in the Union and most importantly, working as a part of a product-line under heavy workload such as the WRC.

Mr. Liu takes an open approach in his work. He understands the importance of consultations in consensus building in ITU and APT activities and is willing to stick to it at his best ability. Mr. Liu is familiar with the mechanisms of work of the WRC and its related platforms.

Besides Chinese as his native language, Mr. Liu commands English and French at a good level, which are important assets in his international involvements.

### **Education**

- 1997-2001, Bachelor of Engineering in Electronic and Information Technology, China University of Mining and Technology
- 2009-2013, Master of Arts in English literature, China Foreign Affairs University

### **Career**

- 2010-present, Senior Engineer, Satellite Spectrum & Orbit Engineering Division, SRMC
- 2008-2010, Engineer, Spectrum Monitoring Division, SRMC
- 2002-2008, Assistant Engineer/Engineer, Beijing Monitoring Station, SRMC
- 2001-2002, Assistant Engineer, Spectrum Monitoring Division, SRMC

### **Current Position**

Senior Engineer, Satellite Spectrum and Orbit Division, State Radio Monitoring Center (SRMC), MIIT

### **Working Language**

- Chinese (mother tongue), English and French

## **ITU-Related Activities**

### **As ITU staff**

- February-April 2015 (before and during CPM15-1), translator and technical adviser, Chinese Translation Section, ITU General Secretariat
- February-April 2015 (before and during RA-15 and WRC-15), translator and technical adviser, Chinese Translation Section, ITU General Secretariat

### **At the Conference level**

- 2012, Chinese delegate to WRC-12, responsible for the Chinese positions on all WG6B issues (General regulatory aspects)

### **At the Study Group level**

- 2015-present, vice-Chairman, ITU-R Study Group 7
- 2016-present, Chairman, WG7B-2 on deep space communication issues;
- 2003-2015, Chinese delegate to ITU-R Study Group activities, including SG 1, SG 4, the Special Committee and SG 7, active contributor with over 20 contributions to various levels of Study Group activities;
- 2007-2011 Chapter Rapporteur, Chapter 5.1 of the Handbook on Spectrum Monitoring with two editions of the Handbook;

### **Other ITU activities**

- 2016, tutor, ITU Center of Excellence training program on spectrum management
- 2015, tutor, ITU Center of Excellence training program on Satellite Network Registration Procedures and International Regulations
- 2005 & 2006, trainer, the Radio Monitoring and Spectrum Management Training for Asia and the Pacific (jointly organized by ITU and MII in 2005 and 2006 )

### **Other international activities**

- bilateral satellite coordination meetings between the administrations of China and the United States, Australia, France, Kazakhstan and United Kingdom

## **APT activities**

### **The APT Wireless Group (AWG)**

- 2008-2012, Chairman, sub-Working Group on Spectrum Monitoring Issues, AWG
- delegate, AWF-4, AWF-5, AWF-6, AWF-8, AWF-9, AWG-10, AWG-11, AWG-12 and AWG-13

### **The APT Conference Preparatory Group for WRC-15(WRC-15)**

- 2013-2015, co-Chairman, DG on WRC-15 Agenda Item 7, APG15
- delegate, APG11-2, APG15-1, APG15-2, APG15-3 and APG15-5