

# 蔡希彪, Cai Xibiao

## Personal information

Date of birth: 1972.9  
Political landscape: The communist party member  
The last degree: Doctor of engineering  
Major: Signal and information processing  
Academic title: Associate professor  
Research interests: wireless communication



## Teaching experience

On Signal and System, Principle of Communication, Digital Signal Processing, Information Theory, Mobile Communications, VC + +.

## Scientific research project

His research is supported by the National 863 Program, the national natural science fund project, and transverse projects in the area of Cooperative Communication, MIMO OFDM and Cooperative Position Locating area. Specifically, he has headed in 3 projects in transverse scientific research, which are "mobile video summarization and positioning management system", "three dimensional space of wireless sensor network positioning system ", and "super capacitor dynamic equilibrium". Further, he has Participated in 3 of the national natural science fund projects ,which are "the broadband near-field microphone array speech enhancement method and array optimized topology research (61072052)", "the collaboration based on virtual multi-antenna radio (60972076)", and "the key technology based on cooperative diversity wireless network positioning study (60742006)". He has also participated in the national 863 projects, which are "the new key techniques of broadband wireless network multi-user collaborative transmission aa01z265 (2007) "and" wireless collaboration broadcast multicast multistage transmission and conflict control aa01z247 (2009) ".

## Awards

By his Guiding extracurricular academic science and technology works, 2 teams of students won third prize in "challenge cup of Liaoning province " , and 1 team won third prize in "electronic competition of Liaoning province ",respectively.

## Academic works and patents

He has contributed more than 20 research papers to the journals, periodicals and international conferences with 8 of them included in the Engineering Index (EI).

## Contact

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