Chen Qian

Contact Information

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Education

Bachelor of Communication Engineering, expected in July, 2016
Beijing University of Posts and Telecommunications

- **GPA**: 92.1/100 (top 1%) **Major**: 94.3/100 **Maths Related**: 96.1/100

Research Experience

Institute of Information Processing Oct. 2014 to Now
Department of Automation, Qsinghua Univeristy

- Supervisor: *Professor Feifei Gao*
- **Program I: GLRT-based Spectrum Sensing and Accompanying Phenomenan When Primary User Has multiple Power levels(Finished)**
  - Responsibility: Program leader, major investigator and thesis writer
  - Achievements: Proposed efficient sensing strategy, analyzed phenomena including power ambiguity and SNR wall. Produced two papers(one conference, one journal)
- **Program II: Optimized Design for Content-Centric networks using Machine Learning Techniques(Newly Started)**
  - Responsibility: Program leader, major investigator and thesis writer
  - Current Stage : Making trials on optimizing the design of Pending Interest Table (PIT) and Forwarding Information Base (FIB) using ANN and SVM.

Project Experience

Interactive Projection Screen Jan. 2015 to Sep. 2015

- Project Focus: Equipping projection with all functions of a touch screen using the technique of pattern recognition.
- Responsibility I : Realized communication among four modules.
- Responsibility II: Increased System Accuracy. (Final accuracy over 95%)

Self-balancing Vehicle Based on Arduino June to August 2014

- Project Focus: Designing and realizing a self-balancing vehicle (resemble a mini Segway) based on Arduino.
- Responsibility: Implemented accurate speed control, including straight forwarding, turning, rate accelerating and decelerating.

Publications

[1] **Chen Qian**, Han Qian, Feifei Gao. Spectrum Sensing and SNR Walls When Primary User Has Multiple Transmitting Power Levels. Accepted by IEEE/CIC ICCC'15 - 2015 IEEE/CIC ICCC SPC- Signal Processing for Communications.

[2] **Chen Qian**, Han Qian, Feifei Gao. GLRT-based Sensing When Primary User Has Multiple Transmitting Power Levels. Submitted to IEEE Transactions on Wireless Communications.

Honors

- National Scholarship (highest honor for Chinese undergraduates) for every year: 2013 (top 3 of 597) 2014 (top 6 of 600) 2015 (top 1 of 589).
- First Prize in "Challenge Cup" Beijing College Student Curricular Academic Science and Technology Works Competition (involved of more than 1000 participant teams).
- National first prize on "CCTV STAR OF OUTLOOK English Talent Competition" (rank 1 of 123)
- Second prize in Beijing Division on "National Undergraduate Mathematical Contest" (rank 7% of 30,000)

Computer Skills

- Computer Language
  C++, C, Java, VHDL,PHP, SQL, HTML
- Miscellaneous
  Matlab, Visual Studio, Eclipse, Quartus II, Latex,SQL Server, Final Cut

Generalized Test

- IBT: 30(Reading)+30(Listening)+23(Speaking)+26(Writing) (Total 109)
- Graduate Record Examination(GRE): 160(Verbal)+170(Quantitative)+4.0(Analytical Writing)