Quyuan Luo

AFFILIATION	State Key Lab. of Integrated Service Networks (*ISN*) Mail Box 88, Xidian University No.2 South Taibai Road Xi'an, Shaanxi, 710071, China

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PERSONAL INFORMATION

Gender: Male
Date of Birth: 03/29/1993
Nationality: China

EDUCATION

Xidian University, Xi'an, China
- Ph.D. in Communications and Information Systems, Sep. 2016−present
- M.Eng. in Communications and Information Systems, Sep. 2015−Jun. 2016

Changchun University of Science and Technology (CUST), changchun, China
- B.S. in Telecommunications Engineering, Sep. 2011−Jun. 2015
  Rank No. 7 in four-year average GPA

HONORS AND AWARDS

- 2018: First Class Scholarship and Excellent Postgraduate Student Award in Xidian University
- 2017: First Class Scholarship and Excellent Postgraduate Student Award in Xidian University
- 2016: Second Class Scholarship in Xidian University
- 2015: Second Class Scholarship in CUST
- 2014: First Class Scholarship in CUST
- 2013: National Encouragement Scholarship, Second Prize in Contemporary Undergraduate Mathematical Contest in Modeling, First Prize in Mathematical Competition of CUST, First and Second Class Scholarship in CUST
- 2012 National Encouragement Scholarship, First and Second Class Scholarship in CUST

MAIN COURSES TAKEN

- Mathematics: Probability Theory, Stochastic Process, Convex Optimization, Numerical Functional, Wavelet Analysis.
- Computer: Matlab, C, Computer Networks
- Communications: Signals and Systems, Principle of Communications, Digital Communications, Wireless Communications, Digital Signal Processing.

LANGUAGE

CET-6: China College English Test Band-6, 2013
PETS-5: Public English Test System-5, 2018

RESEARCH INTERESTS

Intelligent Transportation Systems
Content distribution and resource allocation in vehicular networks, joint allocation of communication and computing resources for networked autonomous driving, vehicle-road collaborative networked intelligent driving.

PUBLICATIONS

- Changle Li, **Quyuan Luo**, Guoqiang Mao, Min Sheng and Jiandong Li, "Vehicle-Mounted Base Station for Connected and Autonomous Vehicles: Opportunities and Challenges," *IEEE Wireless Communications* (**minor revise**), 2018.
- **Quyuan Luo**, Changle Li, Tom H. Luan and Yingyou Wen, "Optimal Utility of Vehicles in LTE-V Scenario: An Immune Clone Based Spectrum Allocation Approach," *IEEE Transactions on Intelligent Transportation Systems*, PP. 1-12, 2018, early access.
- **Quyuan Luo**, Xuelian Cai, Tom H. Luan and Qiang Ye, "Fuzzy Logic-Based Integrity-Oriented File Transfer for Highway Vehicular Communications," EURASIP Journal on Wireless Communications and Networking, 2018, 2018(1):3.
- **Quyuan Luo**, Changle Li, Qiang Ye, Tom H. Luan, Lina Zhu and Xiaolei Han, "CFT: A Cluster-based File Transfer Scheme for Highway VANETs," in *Proc. IEEE ICC*, Paris, 2017, pp. 1-6.
- Changle Li, **Quyuan Luo**, Guoqiang Mao, Min Sheng and Jiandong Li, "Vehicle-Mounted Base-Station based Communication Network Architecture for Connected Autonomous Vehicles," accepted to appear in *Journal of Beijing Jiaotong University*. (in Chinese)
- Pengfei Huang, Changle Li, **Quyuan Luo**, Yao Zhang and Bing Xia, "GECM: A Novel Green Wave Band Based Energy Consumption Model for Electric Vehicles," in *Proc. IEEE VTC-Spring*, Porto, 2018, pp. 1-5.

- Zhifang Miao, Xuelian Cai, **Quyuan Luo**, Weiwei Dong, "A FLRBF Scheme for Optimization of Forwarding Broadcast Packets in Vehicular Ad Hoc Networks," in *Proc. IEEE PIMRC*, Valencia, 2016, pp. 1-5.