

Zhiming Huang

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EDUCATION

University of Victoria, Victoria, BC, Canada

Sep 2018 – Apr 2020

- M.S. in Computer Science, GPA: 8.75 / 9.
- Advisor: Prof. Jianping Pan
- Core Courses: Analysis of Algorithms (A+), Machine Learning Theory (A+), Advanced Optimization (A+), Operation Research (A).

Northwestern Polytechnical University, Xi'an, Shaanxi, China

Sep 2014 – Jun 2018

- B.Eng. in Communication Engineering, GPA: 87.39 / 100, Rank: 3/72.
- Core Courses: Information Theory (92), Principles of Communication (93), Computer Network (89), Probability and Statistics (93), Linear Algebra (95), Calculus (94).

RESEARCH INTERESTS

▪ **Wireless Communications and Mobile Networks**

Machine learning & stochastic analysis in radio channel modeling, wireless caching systems, ad hoc networks, and crowdsourcing.

▪ **Statistical Learning and Optimization**

Decision-theoretic online learning, multi-armed bandit problems, online decision making and control.

▪ **Statistical Inference and Decision Making**

Bayesian networks, quantum probability theory, and information fusion techniques.

PUBLICATIONS

JOURNAL PUBLICATIONS

- [1] A Framework of Multipath Clustering based on Space Transformed Fuzzy c-Means and Data Fusion for Radio Channel Modeling
Z. Huang, R. Zhang, J. Pan, Y. Jiang, and D. Zhai
To appear on *IEEE Transactions on Vehicular Technology (TVT)*, Oct 2019.
- [2] Uncertainty Measurement with Belief Entropy on Interference Effect in Quantum-Like Bayesian Networks (*ESI Highly Cited Paper*)
Z. Huang, L. Yang, and W. Jiang
Applied Mathematics and Computation (AMC), Volume 347, Pages 417-428, Nov 2018.
- [3] A New Method to Evaluate Risk in Failure Mode and Effects Analysis under Fuzzy Information
Z. Huang, W. Jiang, and Y. Tang
Soft Computing (SOCO), Volume 22, Issue 14, Pages 4779-4787, Jul 2017.

CONFERENCE PUBLICATIONS

- [1] Intelligent Caching Algorithms in Heterogeneous Wireless Networks with Uncertainty
B. Hu, Y. Chen, **Z. Huang**, N. Mehta, J. Pan
In Proc. the 39th IEEE International Conference on Distributed Computing Systems (ICDCS), Jul 2019
- [2] EQRC: An Enhanced QR Code-based Secure E-coupon Transaction Framework
R. Liu, J. Song, **Z. Huang**, J. Pan
In Proc. the 53rd IEEE International Conference on Communication (ICC), May 2019.

RESEARCH PROJECTS

▪ **Learning Assisted Task Allocation and Pricing in Ride-sharing Systems**

Advisor: Prof. Jianping Pan

Sep 2018 – Oct 2019

▪ **Sequential Learning in Wireless Caching Systems**

Advisor: Prof. Jianping Pan

Sep 2018 – Oct 2019

▪ **Automatic Clustering in Radio Channel Modeling**

Advisors: Prof. Ruonan Zhang and Prof. Jianping Pan

Sep 2017 – Jun 2018

▪ **Long-range Wireless Communication System**

Advisors: Prof. Ruonan Zhang and Prof. Bin Li

Sep 2016 – Jun 2018

▪ **The Quantum Probability Theory in Bayesian Networks**

Advisors: Prof. Wen Jiang and Prof. Yong Deng

Sep 2016 – Jun 2017

	<ul style="list-style-type: none"> ▪ The Application of Information Fusion Techniques in Fault Diagnosis and Decision Making Advisors: Prof. Wen Jiang and Prof. Yong Deng Sep 2015 – Jun 2016
AWARDS & SCHOLARSHIPS	<ul style="list-style-type: none"> ▪ ICDCS 2019 Travel Grant Award, Jun 2019 For graduate students and post-doctoral researchers to participate in ICDCS 2019. ▪ UVic Graduate Award, Jun 2019 For the outstanding academic performance during graduate study. ▪ Mitacs Graduate Fellowship, Sep 2018 For former Globalink research interns who return to Canada for research-based graduate studies at eligible Mitacs academic partners. ▪ The Best Final Thesis Award, Jun 2018 For the outstanding final thesis, top 5% undergraduate awardees in the university. ▪ The Excellent Graduate Award, Jun 2018 For the outstanding academic performance during undergraduate study, top 5% in the university. ▪ Scholarship of Ministry of Industry and Information Technology of China, Oct 2017 For the outstanding performance in academic research, top 0.01% in the university. ▪ Scholarship of China Scholarship Council, Jun 2017 Full-tuition scholarship with stipend for undergraduate research internship at UVic, one of 4 undergraduate awardees in the university. ▪ Scholarship of Ministry of Industry and Information Technology of China, Oct 2016 For the outstanding performance in academic research, top 0.01% in the university.
PROFESSIONAL ACTIVITIES	<p>PAPER REVIEWER</p> <ul style="list-style-type: none"> ▪ IEEE INFOCOM <p>MEMBERSHIP</p> <ul style="list-style-type: none"> ▪ ACM Student Member Sep 2019 – Now ▪ IEEE Student Member Apr 2019 – Now
TEACHING EXPERIENCE	<ul style="list-style-type: none"> ▪ Teaching Assistant in CSC361: Computer Communications and Networks, Sep 2019 – Dec 2019 ▪ Consultant in UVic Computer Science Assistance Centre. Jan 2019 – Aug 2019

[CV compiled on 2019-11-08]