

Xiuzhen Guo

188 0110 6518 | guozx16@mails.tsinghua.edu.cn | Beijing
http://tns.thss.tsinghua.edu.cn/sun/members/XiuzhenGuo/XiuzhenGuo.html



EDUCATION

Tsinghua University

Sep 2017 - Graduation Date

- Ph.D. Student | GPA: 3.3 / 4.0
- Combinatorial Mathematics | 4.0, Network Measurement and Analysis | 4.0, Frontier research in computer networks | 3.7

Southwest University

Sep 2012 - Jul 2016

- Bachelor Degree | GPA: 4.4 / 5.0
- Advanced Mathematics | 4.0, Probability Theory and Mathematical Statistics | 4.0, Complex Function | 4.0

HONORS & AWARDS

- The 1st prize National College Academic Science and Technology Works Competition *Tsinghua University - 2019*
- Best-in-Session-Presentation Award *IEEE INFOCOM - 2018*
- National Scholarship *Tsinghua University - 2017*
- Outstanding Graduate Student of Chongqing City *Southwest University - 2016*
- National Scholarship *Southwest University - 2015*
- National Scholarship *Southwest University - 2014*
- National Scholarship *Southwest University - 2013*
- Merit Student *Southwest University - 2013*

PUBLICATIONS

IPSN 2019

- **Xiuzhen Guo**, Yuan He, Jia Zhang, Haotian Zhang, "WIDE: Physical-level CTC via Digital Emulation", IPSN, Montreal, Canada.

INFOCOM 2019

- **Xiuzhen Guo**, Yuan He, Xiaolong Zheng, Zihao Yu, Yunhao Liu, "LEGO-Fi: Transmitter-Transparent CTC with Cross-Demapping", INFOCOM, Paris, France.

SECON 2019

- Weiguo Wang, Xiaolong Zheng, Yuan He, **Xiuzhen Guo**, "AdaComm: Tracing Channel Dynamics for Reliable Cross-Technology Communication", SECON, Boston, MA, USA.

INFOCOM 2018

- **Xiuzhen Guo**, Yuan He, Xiaolong Zheng, Liangcheng Yu, Omprakash Gnawali, "ZigFi: Harnessing Channel State Information for Cross-Technology Communication", INFOCOM, Honolulu, HI, USA.

INFOCOM 2018

- Xiaolong Zheng, Yuan He, **Xiuzhen Guo**, "Stripcomm: Interference-resilient crosstechnology communication in coexisting environments", INFOCOM, Honolulu, HI, USA.

EWSN 2018

- Zihao Yu, Chengkun Jiang, Yuan He, Xiaolong Zheng, **Xiuzhen Guo**, "Crocs: Cross-Technology Clock Synchronization for WiFi and ZigBee", EWSN, Madrid, Spain.

INFOCOM 2017

- **Xiuzhen Guo**, Xiaolong Zheng, Yuan He, "WiZig: Cross-Technology Energy Communication over a Noisy Channel", INFOCOM, Atlanta, GA, USA.

MSN 2016

- Shuo Lian, **Xiuzhen Guo**, Yuan He, Xu Zhao, "Error Scene Restoration with Runtime Logs of Wireless Sensor Networks", MSN, Hefei, China.

Sensors 2015

- **Xiuzhen Guo**, Chao Peng, Songlin Zhang, et al. A Novel Feature Extraction Approach Using Window Function Capturing and QPSO-SVM for Enhancing Electronic Nose Performance[J]. Sensors, 2015, 15(7):15198-15217

Sensors 2015

- Yan Jia, **Xiuzhen Guo**, Shukai Duan, et al. Electronic Nose Feature Extraction Methods: A Review[J]. Sensors, 2015, 15(11):27804-27831.

Patents

- Shukai Duan, Xiuzhen Guo, Zhencheng He, "Water temperature control system based on adaptive fuzzy-PID algorithm", National Patent for Invention. Application date: 2016.02.29, Authorization date: 2017.11.17. No: ZL201610111850.8.
- Jia Yan, **Xiuzhen Guo**, Pengfei Jia, Shukai Duan, Lidan Wang, Chao Peng, Songlin Zhang, "Feature extraction method of electronic nose based on moving window function", National Patent for Invention. Application date: 2015.5.18, Authorization date: 2017.5.10. No: ZL201510252261.7.

RESREARCH INTERESTS

Wireless networking & Ubiquitous computing

- Wireless network coexistence; Heterogeneous networking ; Cross-technology communication; Ubiquitous sensing; Embedded systems