

Huanle ZHANG

PERSONAL INFORMATION

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EDUCATION

Current Doctorate Degree in Computer Science
SEP 2016 **University of California, Davis, CA**
Supervisor: Prof. Prasant MOHAPATRA

JUNE 2014 Master Degree in Communication and Information System
SEP 2011 **University of Electronic Science and Technology of China**
(3 years) Thesis: "Research on Heterogeneous Femtocell Networks"
Supervisor: Prof. Jian LIU

JUNE 2011 Bachelor Degree in Communication Engineering
SEP 2007 **Hangzhou Dianzi University, China**
(4 years) Thesis: "Research on Pitch Detection of Voice Signals based on SHR algorithm"
Supervisor: Prof. Na YING

WORK EXPERIENCE

JUNE 2018 Spring Intern
MAR 2018 **Microsoft Research Asia, China**
(12 weeks) Supervisor: Dr. Yunxin LIU

SEP 2017 Summer Intern
JULY 2017 **Simula Research Laboratory, Norway**
(2 months) Supervisor: Dr. Ahmed ELMOKASHFI
Developed wireless transmission solutions for AV/VR systems that require very high throughput and low latency. Became familiar with Linux kernel programming, multipath TCP and WiFi driver source code.

JUNE 2016 Project Officer (Research Assistant)
AUG 2014 **Nanyang Technological University, Singapore**
(2 years) Supervisor: Prof. Mo LI
Conducted research on mobile applications and systems, such as localization, mobile sensing, and data analysis. Published one MobiCom'16 paper and one TMC'17 paper on acoustic communication and interaction; Became familiar with sensor networks. Published one SenSys'15 paper (best-paper award) and one TON'17 paper (extension version) on data dissemination in sensor networks.

KEY SKILLS

Data Processing:	awk, python, matlab
Web Development:	HTML, CSS, PHP, Javascript, jQuery, D3
Embedded Device:	Arduino, Raspberry Pi, WiFi router
Operating System:	Ubuntu, LEDE/OpenWrt, Windows, Mac
Linux Kernel Programming:	C, shell, Linux utilities
Android Application Development:	Java

ACHIEVEMENTS

- 2015 Best Paper Award, ACM Conference on Embedded Networked Sensor Systems (ACM SenSys).
- 2014 Excellent Thesis Award for Master's Degree of UESTC.
- 2013 National Scholarship for Postgraduate/Graduate Students (China).
- 2010 Interdisciplinary Contest in Modeling: Honorable Mention.

PUBLICATIONS

- TMC'17 An Acoustic-based Encounter Profiling System
Huanle Zhang, Wan Du, Pengfei Zhou, Mo Li and Prasant Mohapatra
- TON'17 Pando: Fountain-Enabled Fast Data Dissemination with Constructive Interference
Wan Du, Jansen Christian Liando, Huanle Zhang and Mo Li
- MobiCom'16 DopEnc: Acoustic-based Encounter Profiling Using Smartphones
Huanle Zhang, Wan Du, Pengfei Zhou, Mo Li and Prasant Mohapatra
- SenSys'15 When Pipelines Meet Fountain: Fast Data Dissemination in Wireless Sensor Network
Wan Du, Jansen Christian Liando, Huanle Zhang and Mo Li
- IJCS'14 Analysis of Accessing to the Nearest and to the Strongest Base Station in Femtocell Networks
Huanle Zhang, Jian Liu and Haili Shi
- Globecom'13 Analysis of Femtocell Coverage Fraction and Isolated Probability Using Stochastic Geometry
Huanle Zhang, Jian Liu, Yupeng Jia and Yulu Ma
- AISS'13 OFDMA Femtocell Gateway Scheduling Based on Coloring
Huanle Zhang, Jian Liu, Yu Fu and Niangeng Guo
- CCT'13 Optimal Transmission Distance of Mean Progress and Mean Transport in Device-to-device Networks
Huanle Zhang, Yu Fu and Jian Liu
- MINES'13 A Tractable Framework for Power Consumption in Femtocell Networks
Huanle Zhang, Jian Liu and Niangeng Guo
- SEIS'13 Policy on Downlink Access of Femtocell Based on OFDMA in Dense Employment Residential Environment
Huanle Zhang and Jian Liu