

Huanle ZHANG

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EDUCATION

- Current* Doctorate Degree in Computer and Information Sciences
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 AND INTERNSHIP EXPERIENCE

- AUG 2018 Summer Intern
JUNE 2018 **Bell Labs, USA**
(10 weeks) Supervisor: Dr. Mostafa UDDIN, Dr. Fang HAO, Dr. Sarit MUKHERJEE
Conducted research on IoT device onboarding.
- JUNE 2018 Spring Intern
MAR 2018 **Microsoft Research Asia, China**
(12 weeks) Supervisor: Dr. Yunxin LIU
Conducted research on Machine Learning, including Distributed Models, Model Compression and Image Super-Resolution.
- 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 codes.
- 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. Became familiar with sensor networks and data dissemination.

REWARDS

- 2015 Best Paper Award, ACM Conference on Embedded Networked Sensor Systems (ACM SenSys)
2013 Student Travel Grant, IEEE Global Communication Conference (IEEE Globecom)

KEY SKILLS

Machine Learning	Python: TensorFlow, Keras, Sciki-Learn
Data Analysis	Python, Matlab
Linux Kernel Programing	C, Shell Scripts, Linux Utilities
Android Development	Java: Android Studio

PUBLICATIONS

arXiv	Wireless Access to Ultimate Virtual Reality 360-Degree Video At Home Huanle Zhang , Ahmed Elmokashf, Zhicheng Yang and Prasant Mohapatra
HotMobile'19	AIDE: Augmented Onboarding of IoT Devices at Ease Huanle Zhang , Mostafa Uddin, Fang Hao, Sarit Mukherjee and Prasant Mohapatra
ICPADS'18	WiFi and Multiple Interfaces: Adequate for Virtual Reality? Huanle Zhang , Ahmed Elmokashf and Prasant Mohapatra
TMC'18	StrLight: An Imperceptible Visible Light Communication System with String Lights Huanle Zhang , Wan Du, Mo Li, Kaishun Wu and Prasant Mohapatra
TMC'18	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