Huanle ZHANG

PERSONAL INFORMATION

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EDUCATION

Current SEP 2016	Doctorate Degree in Computer and Information Sciences **University of California, Davis**, CA Supervisor: Prof. Prasant MOHAPATRA
JUNE 2014 SEP 2011 (3 years)	Master Degree in Communication and Information System **University of Electronic Science and Technology of China** Thesis: "Research on Heterogeneous Femtocell Networks" Supervisor: Prof. Jian LIU
JUNE 2011 SEP 2007 (4 years)	Bachelor Degree in Communication Engineering **Hangzhou Dianzi University**, China Thesis: "Research on Pitch Detection of Voice Signals based on SHR Algorithm" Supervisor: Prof. Na YING

WORK AND INTERNSHIP EXPERIENCE

AUG 2018 JUNE 2018 (10 weeks)	Summer Intern **Bell Laboratory**, USA Supervisor: Dr. Mostafa UDDIN, Dr. Fang HAO, Dr. Sarit MUKHERJEE
JUNE 2018 MAR 2018 (12 weeks)	Spring Intern **Microsoft Research Asia**, China Supervisor: Dr. Yunxin LIU Conducted research on Machine Learning, including Distributed Models, Model Compression and Image Super-Resolution.
SEP 2017 JULY 2017 (2 months)	Summer Intern **Simula Research Laboratory**, Norway 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 AUG 2014 (2 years)	Project Officer (Research Assistant) **Nanyang Technological University**, Singapore 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.

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

Achievements

2015   Best Paper Award, ACM Conference on Embedded Networked Sensor Systems (ACM SenSys)

Publications

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