

CHIA-YING LIN

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EDUCATION

Ph.D. of computer science and information engineering

National Cheng Kung University, Tainan, Taiwan

Sep. 2015 – present

GPA: 4.3/4.3

- » I am a member in *Intelligent Mobile Service Laboratory* whose researches focus on mobile network design and analysis. My **research interests** include Internet of Things, Machine-Type Communication, Software-Defined Networking and Voice over LTE.

Bachelor of computer science and information engineering

National Cheng Kung University, Tainan, Taiwan

Sep. 2011 – Jun. 2015

GPA: 3.93/4.0 (ranked 1st in class)

- » **Relevant Courses:** Computer System and Network Administration, Software design, Data Base Management System, Design of Smart Sensing Cloud System and Application
- » **Undergraduate Project:** “Go Parking — —Event Data-based Parking Spot Guidance Service”

EXPERIENCE

Visiting graduate research in **University of California, Los Angeles**

Network Research Lab (NRL)

Mar. 2018 – Jan. 2019

- » **Tasks:** radio resource management in 5G

Short term research in **RWTH Aachen University**, Aachen, Germany

Communication and Distributed Systems (COMSYS)

Jul. 2017 – Aug. 2017

- » **Tasks:** evaluating synchronized neighbor discovery scheme

Summer Intern in **YAHOO!**, Taipei, Taiwan

Web Search Production Engineering Team

Jul. 2016 – Aug. 2016

- » **Tasks:** developing real-time monitoring dashboard by using *Django*

Teaching assistant in **SDN/NFV Core Network Course**

National Cheng Kung University, Tainan, Taiwan

Fall Semester 2015

Summer Intern in **HTC**, Taipei, Taiwan

Mobile Application Software Department

Jul. 2015 – Aug. 2015

- » **Tasks:** developing automation test system by using *JUnit* and *Jenkins*
- » **Award:** 1st place in VR competition

Lecturer in **Competitive Programming Course**

National Cheng Kung University, Tainan, Taiwan

Spring Semester 2015

SKILLS

■ **Language:** mandarin (fluent), Taiwanese (fluent), English (good; TOEFL iBT score: 80)

■ **Technical skills:** C, C++, Java, Android APP development, SQL, Python, Linux (Github: zeroplusone)

AWARDS

- 2018** WeTech Qualcomm Global Scholars
Google Code Jam to I/O for Women Top 150
- 2017** Grace Hopper Celebration of Women in Computing (GHC) Scholarship (accept rate: 657/4000=16.4%)
- 2015** Garmin Scholarship
- 2015** Outstanding Engineering Student Award (awarded from Chinese Institute of Engineers, Taiwan)
- 2011 – 2014** Academic Excellence Award (top 5% in class, awarded from National Cheng Kung University in 2011-2012, 2012-2013, 2013-2014 school year)
- 2014** The 22nd place, 2014 ACM-ICPC Asia Taichung regional
- 2013** The 23rd place, 2013 ACM-ICPC Asia Chiayi regional

PUBLICATIONS

- C. Y. Lin, Y. L. Lu, M. H. Tsai and H. L. Chang, "Utilization-based parking space suggestion in smart city," *2018 15th IEEE Annual Consumer Communications & Networking Conference (CCNC), Las Vegas, NV, 2018* (DOI: 10.1109/CCNC.2018.8319281)
- C.-Y. Lin, H.-W. Kao, M.-H. Tsai and H.-L. Chang, **Gateway-Assisted Two-Stage Radio Access for Machine Type Communication in LTE-Advanced Network**. *COMPUTER COMMUNICATIONS* (DOI: 10.1016/j.comcom.2016.12.017) (IF 2016: 3.338, Rank: 23/146=15.8%, Category: Computer Science, Information Systems)
- C.-Y. Lin, W.-P. Tsai, M.-H. Tsai and Y.-Z. Cai, **Adaptive Load-balancing Scheme Through Wireless SDN-based Association Control** *Proceeding of the 31th IEEE International Conference on Advanced Information Networking and Applications (AINA'17), Taipei, Taiwan, March 2017* (Accept Rate: 29%)
- Y.-Z. Cai, C.-Y. Lin and M.-H. Tsai, Application-aware Realtime Monitoring with Data Visualization in OpenFlow-based Network *Proceeding of the 31th IEEE International Conference on Advanced Information Networking and Applications Workshops (WAINA'17), Taipei, Taiwan, March 2017*
- C.-F. Yang, Y.-H. Ju, C.-Y. Hsieh, C.-Y. Lin, M.-H. Tsai and H.-L. Chang, iParking - A Real-Time Parking Space Monitoring and Guiding System. *Vehicular Communications*, 9: 301-305, 2017 (DOI: 10.1016/j.vehcom.2017.04.001) (MOST 104-2815-C-006-029-E, 105-2221-E-006-186-) (SCI/EI) (IF 2016: 5.108, Rank: 2/34=5.9%, Category: Transportation Science & Technology)
- C.-H. Lai, H.-L. Chang, M.-H. Tsai and C.-Y. Lin, Reducing Costs of LIPA Handover through Bearer Reservation with Preemption. *IEEE Transactions on Vehicular Technology* (DOI: 10.1109/TVT.2016.2646519) (IF 2016: 4.066, Rank: 10/89=11.2%, Category: Telecommunications)
- H.-L. Chang, C.-G. Wang, M.-T. Wu, M.-H. Tsai and C.-Y. Lin, Gateway-assisted Retransmission for Lightweight and Reliable IoT Communications. *SENSORS*, 16(10):1560, 2016 (DOI: 10.3390/s16101560) (IF 2016: 2.677, Rank: 10/58=17.2%, Category: Instrument & Instrumentation)
- C.-F. Yang, Y.-H. Ju, C.-Y. Hsieh, C.-Y. Lin, M.-H. Tsai and H.-L. Chang, iParking -- Real-Time Parking Space Monitor and Guiding System with Cloud Service. *Lecture Notes in Computer Science (LNCS)*, 2016
- H.-L. Chang, S.-L. Lu, T.-H. Chuang, C.-Y. Lin, M.-H. Tsai and S.-I. Sou, Optimistic DRX for Machine-type Communications *Proceeding of 2016 IEEE International Conference on Communications (ICC'16), Kuala Lumpur, May 2016* (Accept Rate: 39%)