

CHIA-YING LIN

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EDUCATION

Ph.D. of computer science and information engineering

Sep. 2015 – present

National Cheng Kung University, Tainan, Taiwan

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

Sep. 2011 – Jun. 2015

National Cheng Kung University, Tainan, Taiwan

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

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

Jul. 2017 – Aug. 2017

Communication and Distributed Systems (COMSYS)

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

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

Jul. 2016 – Aug. 2016

Web Search Production Engineering Team

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

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

Fall Semester 2015

National Cheng Kung University, Tainan, Taiwan

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

Jul. 2015 – Aug. 2015

Mobile Application Software Department

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

Lecturer in **Competitive Programming Course**

Spring Semester 2015

National Cheng Kung University, Tainan, Taiwan

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 Women Enhancing Technology (WeTech) Qualcomm Global Scholars

Google Code Jam to I/O for Women Top 150 (ranked 118th)

2017 Grace Hopper Celebration of Women in Computing (GHC) Scholarship

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, 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%)
- C.-Y. Lin, J.-T. Su, W.-P. Tsai, M.-H. Tsai Finding Nearby Available Roadside Parking Spot. *The 27th IPPR Conference on Computer Vision, Graphics, and Image Processing, Pingtung, 2014*