

CHIA-YING LIN

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EDUCATION

Sep. 2015 – Present

*Ph.D. of computer science and information engineering,
Intelligent Mobile Service Laboratory,
National Cheng Kung University, Tainan, Taiwan*

» **Research Interests :**

*Internet of Things, Machine-Type Communication, Software-Defined
Networking and Voice over LTE*

Sep. 2011 – Jun. 2015

*Bachelor of computer science and information engineering,
National Cheng Kung University, Tainan, Taiwan*

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

» **Undergraduate Project :**

“Go Parking——Event Data-based Parking Spot Guidance Service”

*We developed an android APP to provide drivers statuses of available
roadside parking spots by analyzing videos from other users' event data
recorders.*

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)

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*

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.-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)

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)

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

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

AWARDS

- 2017** **Grace Hopper Celebration of Women in Computing (GHC) Scholarship**
- 2015** **Garmin Scholarship**
- Outstanding Engineering Student Award**
- » awarded from Chinese Institute of Engineers, Taiwan
- 2014** The 22nd place, 2014 ACM-ICPC Asia Taichung regional
- Honorable mention, 2014 National College Programming Contest
- Passed qualification round, 2014 Google Code Jam
- 2013** The 23rd place, 2013 ACM-ICPC Asia Chiayi regional
- 2011 – 2014** **Academic Excellence Award (top 5% in class)**
- » awarded from National Cheng Kung University in 2011-2012, 2012-2013, 2013-2014 school year

EXPERIENCE

- Jul. 2016 – Aug. 2016** **YAHOO!**, Taipei, Taiwan
Summer Intern
- » **Department :** Web Search Production Engineering Team
- » **Tasks :** Developing real-time monitoring dashboard by using Django
- Fall 2015** NCKU CSIE **SDN/NFV Core Network** Course
Teaching assistant
- Jul. 2015 – Aug. 2015** **HTC**, Taipei, Taiwan
Summer Intern
- » **Department :** Mobile Application Software Department
- » **Tasks :** Developing automation test system by using JUnit and jenkins
- » **Award :** 1st place in VR competition
- Spring 2015** NCKU CSIE **Competitive Programming** Course
Lecturer

SKILLS

- » **Language :** mandarin (fluent) , Taiwanese (fluent) , English (good; TOEFL iBT score: 80)
- » **Technical skills :** **C, C++, Java**, Android APP development, python, SQL (**GitHub** <https://github.com/zeroplusone>)