Wang, I-Chih (Michael)

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Education

- **PhD student**, Electrical and Computer Engineering, pending,
  - Advisor: H. Jonathan Chao
  - Research: V2X research
  - Laboratory: High speed networking Lab
  - NYU Tandon School of Engineering
- **PhD student**, Electrical and Computer Engineering, pending,
  - Advisor: Charles H.-P. Wen
  - Research: SDN/NFV development
  - Laboratory: Computational Intelligence on Automation Lab
  - National Chiao Tung University, Taiwan, ROC
- **Master student**, Electrical and Computer Engineering, 2018,
  - Advisor: Charles H.-P. Wen
  - Research: SDN/NFV development
  - Laboratory: Computational Intelligence on Automation Lab
  - National Chiao Tung University, Taiwan, ROC
  - **GPA: 4.05/4.3**
- **B.S.,** Electrical and Computer Engineering, 2016,
  - National Chiao Tung University, Taiwan, ROC
  - **GPA: 4.11/4.3, Rank: 4/44**

Publications

- **Conference paper**
  - **I-Chih Wang**, Charles H.-P. Wen, Johnathan Chiao, "*Improving Quality of Experience of Service-Chain Deployment for Multiple Users*", IEEE/ACM International Symposium on Quality of Service (iwqos), June 2018.

- Yu-LunSu, **I-Chih Wang** and Charles H.-P. Wen, "*AASAC: Autonomous, Adaptively Spanning, Auto-recovery In-band Control Plane in Software-Defined Network*", 2018 NST-ITCOMM, January 2018.
- Tsung-Han Lei, Yao-Tsung Hsu, **I-Chih Wang**, and Charles H.-P. Wen, *"Deploying QoS-assured Service Function Chains with Stochastic Prediction Models on VNF Latency,"* IEEE Conference on Network Function Virtualization and Software Defined Networks (NFV-SDN), November 2017.
- Yu-Lun Su, **I-Chih Wang**, Yao-Tsung Hsu and Charles H.-P. Wen, *"FASIC: A Fast-recovery, Adaptively Spanning In-band Control Plane in Software-Defined Network,"* Global Communications Conference (GLOBECOM), December 2017.

· **Pattern**

- System and method for virtual machine migration

Work Experience

· Reviewer of ICOIN, 2019

· Software Intern, Logitech Inc., 2015/07 - 2016/01

· Teaching Assistance, Parallel Programming, NCTU, 2016/09 - 2018/01

· Teaching Assistance, Human Centric Computing Lab (HCC Lab), NCTU, 2017/02 - 2017/06

· Teaching Assistance, Introduction of Philosophy, NCTU, 2016/09 - 2018/01

· Teaching Assistance, Exploring History of Science. Part I: Science in Ancient Worlds, NCTU, 2017/02 - 2018/01

· Teaching Assistance, Exploring History of Science. Part 2: From pre-modern to modern, NCTU, 2017/02 - 2018/01

Rewarding Overview

Rewarding record

· Second place in “Mobile Heroes 2016”: SCMan: Service Chaining Management

· Honorable Mention in “Mobile Heroes 2017”: FASIC: Fast-Recovery Adaptively-Spanning in In-Band Control Plane

· First place in “International ICT Innovative Services Contest 2014”: SigNo Saver

· Second place in "Campus Cloud Innovative Application Competition 2014": uSecureVote

· Second place in “Haitec Workshop 2016”: Distance Measurement with Camera Binocular vision

- Second place in “MediaTek LinkIn Hackathon 2016”: e-AR
- Second place in “Logitech Hack Days 2017”: AR Remote Control Car with Gaming Wheel Feedback
- Excellent Work in “Electrical and Computer Engineering Project Competition 2014 ”: SigNo Saver
- Passed the first stage in “LabVIEW 國際挑戰賽, National Instruments” and received a free seat of Certified LabVIEW Associate Developer Examination

Scholarship

- 2016~2020 International Training Program for Talents hosted by Ministry of Education (Taiwan)
- 2016 Chinese Institute of Engineers: Excellent Engineering Student Scholarship「優秀工程學生獎學金」
- 2014 National Chao Tung University Wiki Partnership Fund

Conference Attendance

- The 11th IEEE Vehicular Technology Society Asia Pacific Wireless Communications Symposium (IEEE VTS APWCS 2014) Topic: A Personal Emergency Communication Service for Smartphones using WiFi SSID
- 2015 Big Data Forum Taiwan

Projects

- Multi-site MEC implementation in NCTU
- Client Application: SigNo Saver (A self-rescue system supported by smartphones without any base station signal)
- Client Application: uSecureVote (A secured voting system with concept of M2M)
- Edge Computing: Network Traffic Detection and Analysis System
- Research Project: Interference Cancellation in Wireless Ad Hoc Networks
- Platform Study Project: Writing IBM InfoSphere Stream_DPI tour guide
- VLSI project: TPU design
- Embedded system project: Multi-Access POS
- Kinect C#: Modified the control of some games, making them more user-friendly by combining the human motion with the game control
- Parallel Programming: Parallel Programming with OOP(Simulate Brownian motion), Discuss about the relationship between parallel programming and UI
- Popular science articles: Think Less, Think Better
- Annual marketing plan: The Marketing Plan: M&M’s

Extracurricular Activities

- Director of Changhua Area Alumni Association
- Core member of Harmonica Club.

Skills

- Well-experienced in parallel C/C++ development.
- Well-experienced in Android APP development.
- Some Java and C# development experience, focusing on network connection and Kinect application.
- Some Arduino development experience, connecting Arduino and Android with Bluetooth.
- Some Stream Computing experience, using IBM Infosphere.
- Learned about Verilog, and implemented on chip: Altera DE-115.
- Learned about DSP algorithm, and implemented on chip: TI C6713.
- Learned about LabView, and implemented some signal processing.
- Learned about Matlab.
- Learned and experienced about embedded systems: LinkIn 7688, Raspberry Pi 2, PXA270.