

## Assistant Professor Cheang, Chak Fong

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### Academic Qualification:

**Ph.D. in** Computer Science and Technology, Tsinghua University, China, 2013

**Master in** Control Science and Engineering, Tsinghua University, China, 2002

**Bachelor in** Automation, Tsinghua University, China, 1999

### Teaching Area

Computer Networks

Computer Network Applied Technologies

Special Topic in Computer Networks

### Research Area

Computer Network Architectures and Protocols, IPv6 Mobility Management, Wireless and Cooperative Communications, Network Security, Cloud Computing, Software Defined Networks.

### Working Experience

Assistant Professor, Macau University of Science and Technology, Feb 2013 ~ Present

Lecturer, Macau University of Science and Technology, Sep 2002 ~ Jan 2013

System Engineer, Microsoft Research Asia, Jun 2000 ~ Jan 2001

### Academic Publication

**Chak Fong CHEANG**, Yiqin Wang, Zhiping Cai and Gen Xu, "Multi-VMs Intrusion Detection for Cloud Security Using Dempster-Shafer Theory", *Computer, Materials & Continua*, 2018.

Heng Zhang, Zhiping Cai, Qiang Liu, Qingjun Xiao, Yangyang Li, and **Chak Fong Cheang**, "A Survey on Security-Aware Measurement in SDN", *Security and Communication Networks*, Volume 2018, Article ID 2459154, 14 pages, 2018.

Ao ZHONG, **Chak Fong CHEANG**, "Mathematics of Random Linear Network Coding in Clustering Networks", *Journal of Macau University of Science and Technology*, vol.11, no. 1&2, pp. 103-110, 2017.

**CHEANG Chak-fong**, PAN Yi-ping, "WU Jian-ping, Routing Algorithm with Relay Load Balancing in Wireless Multi-hop Networks", *Journal of Chinese Computer Systems*, vol. 35, no. 4, pp. 689-693, 2014.

**Chak Fong Cheang**, Jianping Wu, "A Cooperative Bayesian-based Algorithm for Distributed Mobility Tracking", *Journal of Convergence Information Technology*, vol. 8, no. 1, pp. 26-34, 2013.

**Chak Fong Cheang**, Lianfeng Lin, Yiping Pan, "A Non-Uniform Sampling Approach for Grid-based Mobility Tracking", *International Journal of Advancements in Computing Technology*, vol. 4, no. 22, pp. 192-

**Chak Fong Cheang**, Lianfeng Lin, Zhiming Cai, Jianping Wu, “A Cooperative Framework for Realtime Mobility Tracking in WLANs”, in Proceedings of the 12th IEEE International Conference on Communication Technology, pp. 1422-1425, 2010.

#### Patent

Cheang Chak Fong, “A Method of Providing Mobility Support to Internet Protocol Version 6 (IPv6) using Filtering Technology”, Australia Innovation Patent, 2013-11-26.

#### Professional Certification and Awards

Teaching Excellence Award 2017/2018

Best Paper Award, the 4th International Conference on Cloud Computing and Security (ICCCS2018)

Best Student Paper Award, the 12th IEEE International Conference on Communication Technology (ICCC2010)

Cisco Certified Academy Instructor (CCAI)

#### Professional Society Membership

Member, Institute of Electrical and Electronics Engineers (IEEE)