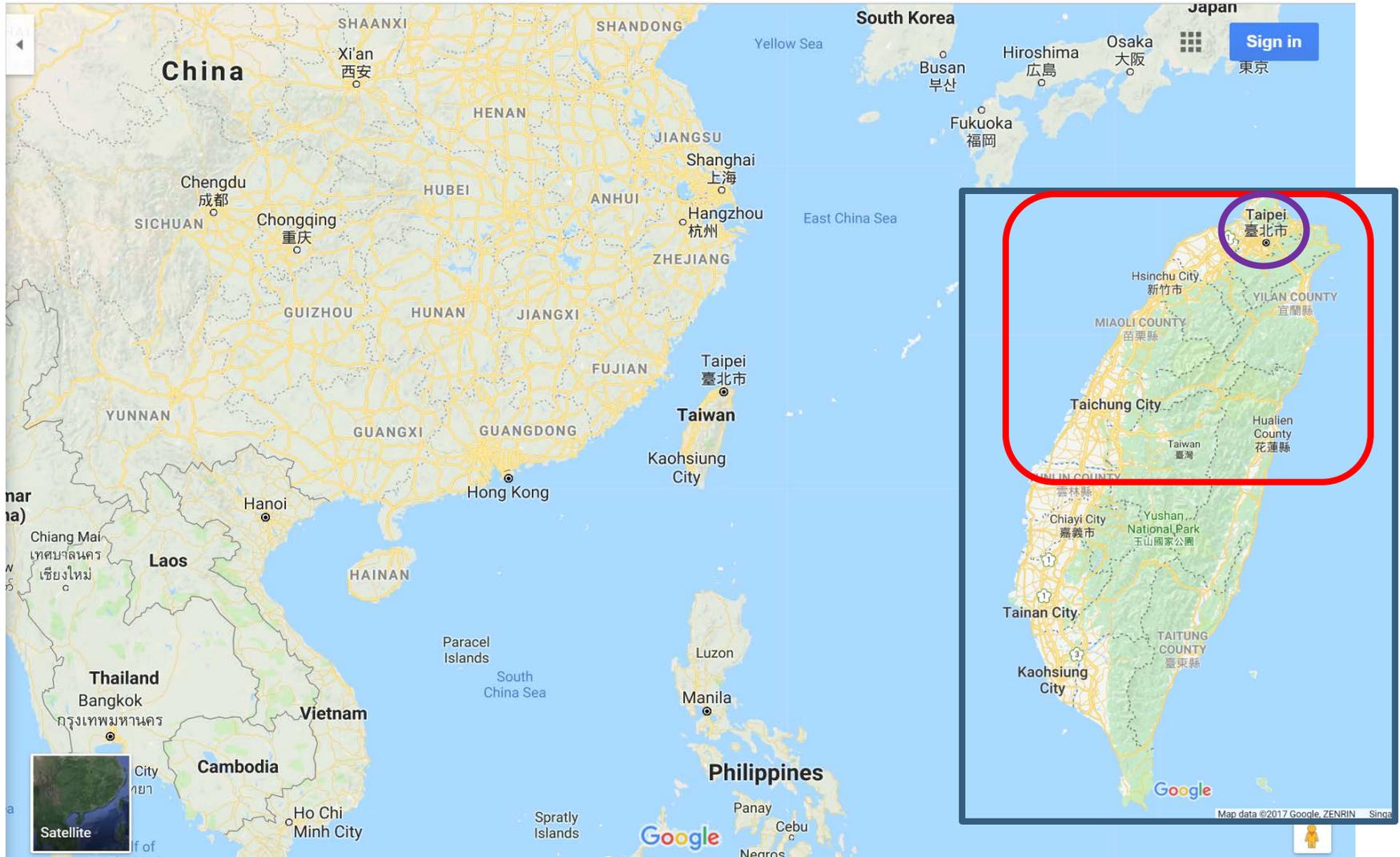


IEEE COMSOC RCCC Taipei Chapter Report

Y.-W. Peter Hong (洪樂文)

2017-12-02

Where is Taipei, Taiwan?



Taipei Chapter Officers

- **IEEE Taipei Section (from 1974)**
- **IEEE Comsoc Taipei Chapter (from 1990)**
- **Chair:** Yao-Win Peter Hong
Institute of Communications Engineering
National Tsing Hua University
Email: ywhong@ee.nthu.edu.tw
- **Vice Chair:** Rung-Hung Gau
Department of Electrical and Computer Engineering
National Chiao Tung University
Email: runghunggau@g2.nctu.edu.tw
- **Staff:**
 - Hsin-Yi Lin (Email: hy_lin@mx.nthu.edu.tw)
 - Mei-Yin Lin (Email: myilin@mx.nthu.edu.tw)

Main Annual Activities

- Local ITCOM Workshop [*Spring and Fall*] (*invited talks*)
- National Symposium on Telecommunications (NST)
(*open call for paper submission*)
- Summer School on Information/Communication Theory and Technologies (*for junior grad students*)
- Graduate Student Forum (*for senior grad students*)
- Best Paper Award for Young Researchers
- Other activities, such as hosting distinguished lecturers, international conferences, etc.

ITCOM Workshop (since 1995)

- Information Theory and Communications (ITCOM) Workshop → *Twice per year in Spring and Fall.*
 - Co-sponsored by ComSoc Taipei & Tainan chapters, ITSoc local chapters, (and Hong Kong chapter).
 - **Two half-day workshops with 7~8 invited talks** (each 40 minutes) [+Tours for family and spouses].
 - **Panel** for expressing suggestions to local ComSoc.
- ✓ E.g., in Fall 2017, ITCOM was held jointly with HK chapter in Peng-Hu, Taiwan, with 5 HK speakers.



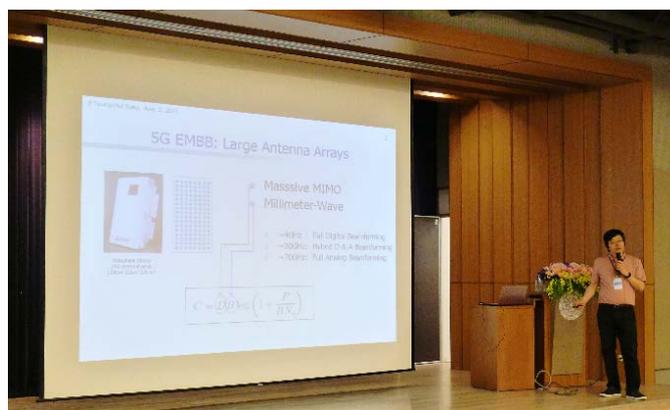
National Symp. on Telecomm. (NST)

- NST is an annual event funded by Ministry of Science and Technology, and co-sponsored by local ComSoc.
- Four disciplines: communications, networking, signal processing, and electromagnetics.
- **Open call for paper submission.**
- Invited keynote speakers, and industry speakers



Summer School on Information/ Communication Theory (since 2004)

- Time: Early August (e.g., August 1-4, 2017)
- Audience: **Junior graduate students**
- 4-5 days with approx. 5~7 half-day tutorials
- Courses: e.g., (basic:) digital communication, detection and estimation, coding theory, (advanced) massive MIMO, mmWave, compressed sensing, quantum communications, etc.
- Industry & Research Panels



Graduate Student Forum

- Previously “ITCOM Winter School”
- Series of 15 min. research talks by senior graduate students (over 0.5 or 1 day).
 - ➔ Best Presentation Award.
- Panel discussion on timely topic.



Best Paper Award for Young Authors

- Currently held bi-annually
- Qualifications:
 - ▣ Published in IEEE ComSoc or ITSoc publications in the last 4 years (e.g., 2013/01~2016/12);
 - ▣ Below 42 years old (previously 35);
 - ▣ IEEE Member or higher
 - ▣ Published while associated with Taipei Chapter
 - ▣ Equal or below the level of associate professor/researcher or its equivalent.

Best Paper Award Winners of 2017

Pi-Cheng Hsiu
Associate Researcher
Academia Sinica



- C.-C. Cheng and P.-C. Hsiu, “Extend Your Journey: Considering Signal Strength and Fluctuation in Location-Based Applications,” *IEEE/ACM Transactions on Networking*, vol. 23, no. 2, pp. 451-464, April 2015.

I-Hsiang Wang
Assistant Professor
National Taiwan University



- C. Karakus, I.-H. Wang, and S. Diggavi, “Gaussian Interference Channel With Intermittent Feedback,” *IEEE Transactions on Information Theory*, vol. 61, no. 9, pp. 4663-4699, Sept. 2015.