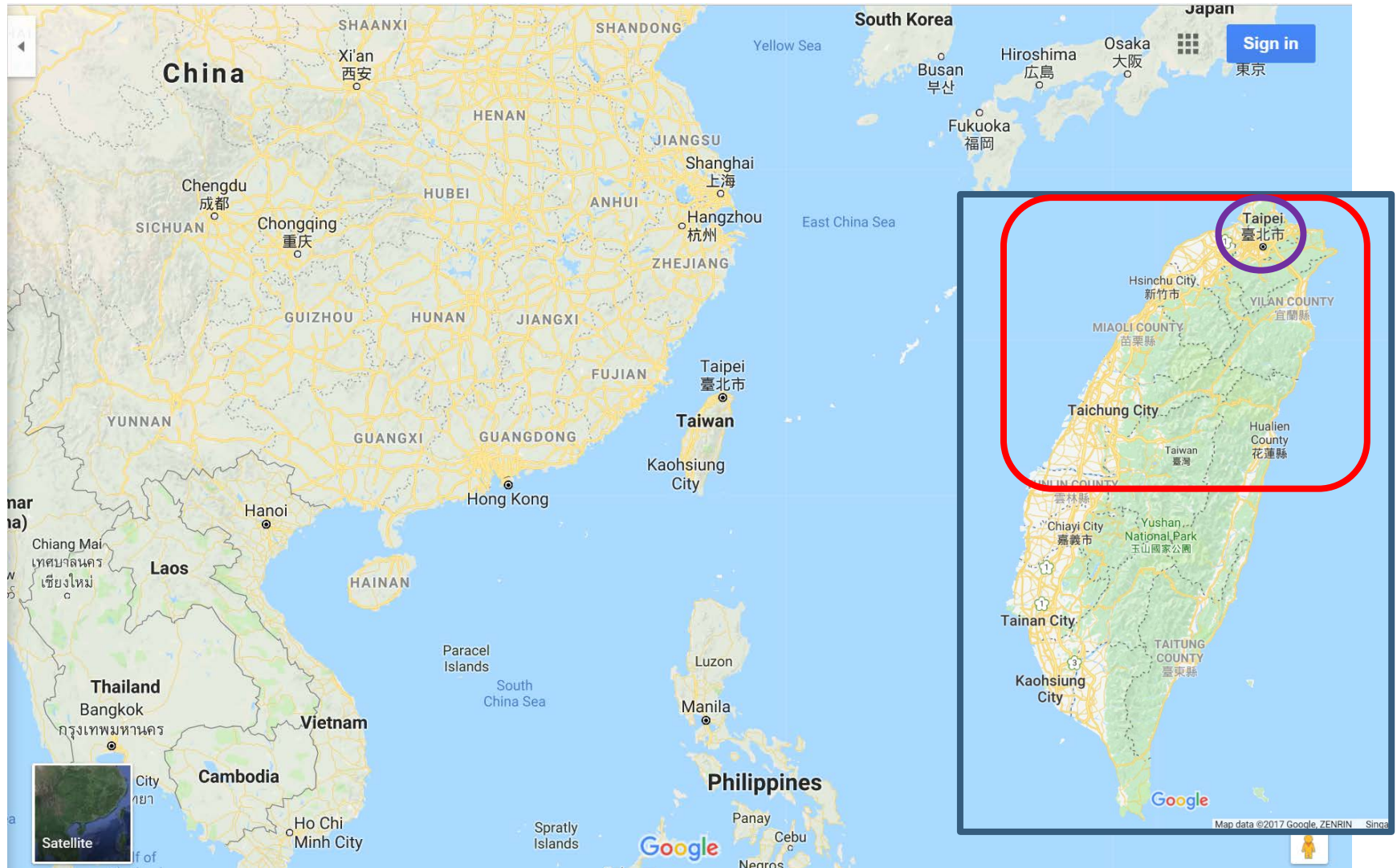


# IEEE COMSOC RCCC Taipei Chapter Report

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](mailto:ywhong@ee.nthu.edu.tw)
- **Vice Chair:** Rung-Hung Gau  
Department of Electrical and Computer Engineering  
National Chiao Tung University  
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- **Staff:**
  - ▣ Hsin-Yi Lin (Email: [hy\\_lin@mx.nthu.edu.tw](mailto:hy_lin@mx.nthu.edu.tw))
  - ▣ Mei-Yin Lin (Email: [myilin@mx.nthu.edu.tw](mailto: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.



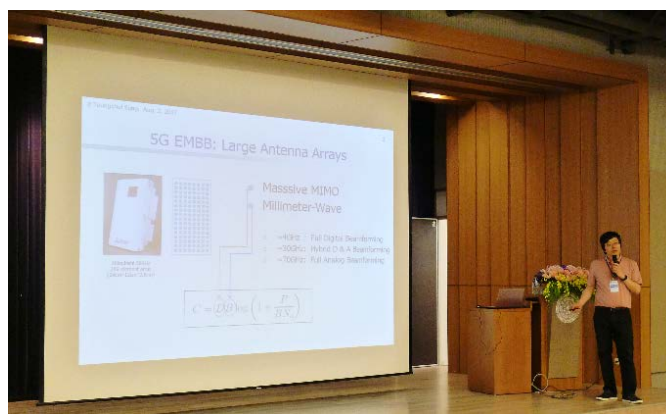
# National Symp. on Telecomm. (NST)

- 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.