

🖣 6th Rongkezixun Haidian Beijing China

1 https://hong-hong.github.io/honghong/

# Education & Experience

Southeast University • School of Electrical Science & Engineer

Nanjing China

**2** (+86)18017154145

Master of Science, Electrical Engineering and Computer Science

2016.09-2019.07

Thesis: Microwave photonic link and measurement technology based on optical single sideband modulation.

Northeast Agricultural University • School of Electronic and Information Engineering Bachelor of Engineering, Electronic and Information Engineering.

Harbin, China 2012.09-2016.06

> GPA: 3.34/4.0 (Top 3%)

> Thesis: Embedded system design for in-vehicle monitoring

## Publications

- [1] Zheng, Pengfei, Hong Hong, Jing Li, Guohua Hu, Binfeng Yun, and Yiping Cui. "Performances of Microwave Photonic Notch Filter Based on Microring Resonator With Dual-Drive Modulator. "IEEE Photonics Journal 11, no. 1 (2018): 1-13.
- [2] Xuemeng Xu, Pengfei Zheng, Jing Li, Hong Hong, Huimin Yang, Ruohu Zhang, Binfeng Yun. "Delay Test of Tunable Silicon Nitride Micro-Ring Based on Optical Vector-Network Analysis [J]." Acta Optica Sinica, 2019, 39(11): 1113001.
- [3] Li Jing, Zheng Pengfei, Xu Ximeng, Hong Hong, Yang Huimin, Zhang Ruohu, et al. "Reconfigurable microwave photonic bandpass filter based on silicon nitride microring and carrier separation." Advances in Laser and Optoelectronics. 57(1), 2020:6.

# Work and Project Experiences

### **Texas Instrument Company**

Nov 2020-Present

- ➤ Working as a filed application engineer.
- ▶ I have extensive involvement in the Medical and Test Instrumentation industries.
- ➤ Have deep understanding on process of IC production.
- ➤ Acquired valuable skills in working efficiently and collaborating with others.

#### The 50th Research Institute of China Electronic Technology Group Corp

Jun 2019-Nov 2020

- > Contributed to the design and development of a Terahertz security tester system, utilizing C++ and QT for software development.
- > Worked on embedded system design of smart thermometer.

#### Advanced Photonics Center, Southeast University

Sep 2016-Jun 2019

- > Working as a research assistant.
- > Worked on the design and implementation of optical filter chips. Investigated optical single sideband modulation and vector network measurement, and validated the feasibility of the system through simulations.

## Northeast Agricultural University

Sep 2012-Jun 2016

- > Conducting research as an undergraduate assistant.
- > Participated in National Electronics Competition twice.
- Developed a wireless charging system that could power portable devices within 1 meter, earning a Provincial Second Prize.

## 🏆 Honors & Awards

### **Contest Awards:**

- $\triangleright$  2014, Second Prize of  $14^{th}$  National Electronics Competition held by TI
- $\triangleright$  2014, First Prize of  $8^{th}$  National Mathematical Contest in Modeling

### **Honors and Scholarships:**

- ➤ 2016, The First Level President's Scholarship (Awarded to top 3%), Northeast Agricultural University, China
- ➤ 2015, The First Level President's Scholarship (Awarded to top 3%), Northeast Agricultural University, China
- ➤ 2014, The First Level President's Scholarship (Awarded to top 3%), Northeast Agricultural University, China
- > 2013, Outstanding Volunteer Award, Northeast Agricultural University, China
- > 2014, Provincial Outstanding Undergraduate, Harbin Province
- ▶ 2013, The First Level President's Scholarship (Awarded to top 3%), Northeast Agricultural University, China
- ▶ 2012, The First Level President's Scholarship (Awarded to top 3%), Northeast Agricultural University, China

## **Professional Skills**

- > Strong background in analog & digital circuit design and software development using C and C++
- > Proficient in Matlab, Multisum, Altium Designer
- > Proficient in Yanet and spectrum analyzer, and simulations for microwave photonic circuit
- > Familiar with the design and implementation of power converter of switched-mode power supply