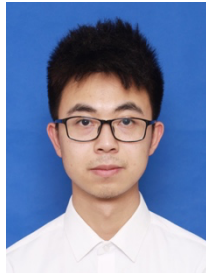


CURRICULUM VITAE

ZHANG, SHIYUAN (Peter)

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SELF-INTRODUCTION

As a researcher focused on Microwave Engineering, EM wave, Antenna and RF Circuit Design, my passion for engaging in the next-generation communication of wireless products is paramount. Currently, my research interests include design of microwave passive circuits, antennas and multi-beam systems. Having reading quite a large amount of advanced professional books, magazines and papers, creative ideas and innovative improvements have been carried and conducted by myself, ended up with several academic achievements. Besides these technical skills, I believe in collaboration and cooperation, which is the way to build something truly a marvel.

Academic Webpage (under construction, currently unavailable): <https://www.zhangshiyuan.cn>

Technical Tutorial Page: <https://www.youtube.com/channel/UCuCK28MeHHbiGptmalZKsdg>

EDUCATION

Shanxi Experimental Secondary School – Jinyang St, Taiyuan, Shanxi 2014 – 2017

University of Electronic Science and Technology of China – Qingshuihe Campus, Chengdu, Sichuan

For BEng Degree 2017 – 2021

APARTMENT

• School of Automation Engineering Sep. 2017 – Jan. 2018

• Yingcai Honorable College of UESTC Mar. 2018 – Jun. 2021

• School of Electronic Science and Engineering Mar. 2019 – Jun. 2021

Electromagnetic field and wireless technology

MAJOR

KEY COURSES

Electromagnetic theory, Equations of mathematical physics and special functions,

Microwave measurement, Microwave engineering, Computational EM method,

Microwave solid-state circuit, Antenna theory, Microwave network, EM compatibility,

RF design, Antenna measurement, EM wave propagation & scattering, Communication & radar principles

PERFORMANCE

Overall GPA 3.88/4.0 with several scholarships & competition awards

For Ph. D Degree

From Sep. 2021

Currently working on design of wideband Schiffman phase shifter, slotted-patch circuits, & advanced Butler matrix

PROFESSIONAL PERFORMANCE

1. **Design of A Novel 1.5GHz Microstrip Hairpin-Line Bandpass Filter** Sophomore

Based on given project specifications, a novel modified hairpin-line bandpass filter is implemented

2. **Design of A Novel Wideband Stepped-Impedance-Resonator Installed Window-Shape Based Crossover** Junior

An enhanced wide bandwidth window-shape based crossover with installed SIRs is investigated ----- Journal Paper

3. **Design of A Novel Hybrid Lumped Element & Distributed Microstrip Line Based Wideband Crossover** Junior

A hybrid form of lumped & distributed wideband crossover is presented ----- Chinese Patent (Checking)

4. **Design of A Novel Two-Layer Wideband Butler Matrix** Senior

A wideband two-layer multi-beam Butler matrix is proposed ----- Conference Paper (Accepted)

* Relevant proven materials are attached

ABILITIES & QUALIFICATIONS

TECHNICAL SKILLS

Reading academic literatures, writing scientific articles, giving technical speeches

Literature management, Data visualization, Mathematical software, 2D/3D structure modeling

Photoshop, Illustrator, Premiere, Office suite, iWork suite & MacOS based environment and operations

EM & Circuit Simulation Software (Keysight ADS, Mentor Graphics IE3D, EMSS FEKO, Ansys HFSS, Sonnet, etc.)

Programming languages (C, Python) & Note-taking languages (Markdown, LaTeX, etc.)

Measurement with vector network analyzer, oscilloscope, & other equipment; Testing of antenna in anechoic chamber

Basic skills on welding on PCB board, & transition of planar circuit with coaxial cables, waveguides, & others

LANGUAGE

Chinese Native speaker

English CET-6: 603 Fluent oral & written English, Sharp listening, & Proficient reading

Japanese Basic conversation

INTERESTS

Hiking, Watching movies, Listening to music, Playing sports, & Reading magazines, etc.