

Phuoc B. T. Huynh

htbpphuoc@gmail.com

EDUCATION

Ph. D. Electronics Engineering	2019-2025 (Expected)
Hanyang University, South Korea	
M. Sc. Electrical and Electronics Engineering	2015-2016
HCM University of Technology, Vietnam	
B. Eng. Electrical and Electronics Engineering	2011-2015
HCM University of Technology, Vietnam	

PAST RESEARCH AND WORK EXPERIENCE

PhD Candidate , <i>Hanyang University, South Korea</i>	2019-2025
Design and Verification Engineer , <i>Renesas Ltd, Ho Chi Minh, Vietnam</i>	2016-2019
Software Development Intern , <i>Renesas Ltd, Ho Chi Minh, Vietnam</i>	2016
Research Assistant , <i>HCM University of Technology, Vietnam</i>	2015-2016

PUBLICATIONS

1. [Phuoc B. T. Huynh](#), Gyeong-Seok Lee, and Tae-Yeoul Yun, “[A Transformer-Based Noise-Canceling and Linearization Technique with Dual-Resistive Feedback for Ultra-Low-Power Wideband LNA](#)”, *IEEE Journal of Solid-State Circuits* (submitted) (2025).
2. [Phuoc B. T. Huynh](#), Gyeong-Seok Lee, and Tae-Yeoul Yun, “[A Fast-Locking Phase-Locked Loop with Low-Power Extended PFD and Phase Error Compensation DAPD](#)”, *IEEE Microwave and Wireless Technology Letters* (submitted) (2025).
3. [Phuoc B. T. Huynh](#), Gyeong-Seok Lee, Jun-Young Park, and Tae-Yeoul Yun, “[An Inductive Loading Simultaneous Noise and Input Matching Technique With Current Reuse for Low-Power LNA](#)”, *IEEE Journal of Solid-State Circuits* (2024).

4. Gyeong-Seok Lee, Phuoc B. T. Huynh, Jun-Young Park, and Tae-Yeoul Yun, "[High-Q LNA With a VCO for Small Calibration Frequency Errors](#)", *Microwave and Optical Technology Letters* (2024).
5. Phuoc B. T. Huynh, Jeong-Hyun Kim, and Tae-Yeoul Yun, "[Dual-Resistive Feedback Wideband LNA for Noise Cancellation and Robust Linearization](#)", *IEEE Transactions on Microwave Theory and Techniques* (2022).

AWARDS

Scholarships:

- ❖ 2021 Scholarship for Foreign Students in Science and Engineering
- ❖ 2021 Teaching Assistant Scholarship
- ❖ 2021 BK21FOUR Scholarship
- ❖ 2020 Scholarship for Foreign Students in Science and Engineering
- ❖ 2020 Teaching Assistant Scholarship
- ❖ 2019 Scholarship for Foreign Students in Science and Engineering
- ❖ 2019 College of Engineering Overseas Student Scholarship Fund

TEACHING

Hanyang University - Electronics Circuit 1

Teaching Assistant

Spring 2021

Hanyang University - Electronics Circuit 2

Teaching Assistant

Fall 2020

SERVICE TO PROFESSION

Reviewing

- ❖ IEEE Transactions on microwave theory and techniques (2024): Reviewer.
- ❖ IEEE Journal of solid-state circuits (2023): Reviewer.

LANGUAGES AND SKILLS

Languages:

- ❖ Vietnamese (Native), English (TOEIC 820), Korean (TOPIK 4).

Programming languages:

- ❖ Python, MATLAB, Verilog.

Design Tools:

- ❖ HSpice, LTSpice, Cadence, ADS, HFSS.

Hardware/Test equipment:

- ❖ Oscilloscope, Signal Generator, Vector Network Analyzer, Spectrum Analyzer.