

Zhengyu Peng

SENIOR RADAR SYSTEMS ENGINEER · PH.D.

925 E Edenbridge Way, Westfield, IN 46074, USA

☎ (+1) 806-392-6110 | ✉ zpeng.me@gmail.com | 🏠 zpeng.me | 📷 rookiepeng | 🎓 Z. Peng

Summary

I am a Ph.D. and highly skilled radar systems engineer with expertise in automotive radar, signal processing, and antenna arrays. As a senior radar systems engineer at Aptiv, I specialize in developing next-gen radar for autonomous driving and active safety. With experience in the automotive industry and as an associate editor for IEEE Transactions on Instrumentation and Measurement, I bring exceptional skills and expertise to any team seeking leadership in the related areas.

Experience

Aptiv

Carmel, IN

SENIOR RADAR SYSTEMS ENGINEER

Jun. 2018 - PRESENT

- Design and develop next-generation, high-resolution imaging radar systems to enhance active safety and enable autonomous vehicle capabilities

IEEE Transactions on Instrumentation and Measurement

-

ASSOCIATE EDITOR

Dec. 2020 - PRESENT

- Associate editor for *IEEE Transactions on Instrumentation and Measurement (IEEE TIM)*

MDPI Remote Sensing Journal

-

GUEST EDITOR

Mar. 2019 - Jun. 2020

- Guest editor for *Remote Sensing* journal special issue: Radar Remote Sensing on Life Activities

Mitsubishi Electric Research Labs. (MERL)

Cambridge, MA

RESEARCH INTERNSHIP

May 2017 - Aug. 2017

- Designed novel digital beamforming transmitter architectures for radars and communication systems aiming to reduce hardware complexity and power consumption
- Completed simulation evaluation and initial schematic design
- Granted 2 patents, published 1 conference paper

Education

Texas Tech University

Lubbock, TX

PH.D. IN ELECTRICAL ENGINEERING

Aug. 2014 - May 2018

Zhejiang University

Hangzhou, China

M.SC. IN INFORMATION SCIENCE AND ELECTRONIC ENGINEERING

Aug. 2011 - Mar. 2014

Zhejiang University

Hangzhou, China

B.SC. IN INFORMATION SCIENCE AND ELECTRONIC ENGINEERING

Aug. 2007 - Jun. 2011

Skills

Actively Using Python, MATLAB, C++, CUDA, Git, CANape

Experience With Java, C, Verilog, CST Microwave Studio, Keysight ADS, Cadence Virtuoso/Allegro