Chi Van Pham
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Education

- **Ph.D. Electrical and Computer Engineering** *Expected 2018*
  University of California, Davis
- **M.S. Electrical and Computer Engineering. GPA: 3.8/4.0** *2013-2015*
  University of California, Davis
- **B.E. Electrical Engineering (with highest honors)** *2007-2012*
  Hanoi University of Science and Technology (HUST), Hanoi, Vietnam

Technical Skills

CAD Tools: Circuit and Electromagnetic simulators: LTspice, Keysight: ADS and EMPro, ANSYS packages: Maxwell - HFSS and Multiphysics, CST Microwave Studio, Sonnet, AWR Microwave Office; PCB design: Altium Designer, OrCAD.

Skills: Anechoic chamber test, On wafer measurement (PNA/PNA-X),VNA, BERT, Sampling and Real-time oscilloscopes, TDR/High-speed modules, SPI/GPIB Programming

Experience

- **Microwave and Microsystems Laboratory, UC Davis**
  Graduate Student Researcher *Oct. 2013 - present*
  - Developing bidirectional, inductive power transfer and communication system through metal
  - Developing voltage tunable multiferroic materials for RF passive components
  - Developed a fully automated fault testing program for Huawei's base station antenna system
  - Developed broadband coaxial balun for 650 W and above power handling applications
  - Developed ultra-wideband, low loss and compact balun on multilayer organic substrate
- **RF and Microwave Laboratory, HUST** *Sept. 2010 - Aug. 2013*
  Research topic: Development of novel artificial structures for wide-band antenna and passive component designs

Awards and Honors

- IEEE MTT-S Graduate Fellowship *Jan. 2016*
- IEEE MTT-S PhD Student Sponsorship Initiative *May 2015*
- UC Davis Spring 2015, 2017 Travel Grant *May 2015, 2017*
- Vietnam Education Foundation Fellow *Aug. 2012*

Publications (selected)

- **Chi Van Pham** *et al.*, "Design of 600 W Low Loss Ultra-wideband Ferriteless Balun," *IEEE Transactions on Microwave Theory and Techniques* , vol. pp, no. 99, pp. 1-9, Nov. 2017.
- **Chi Van Pham** *et al.*, "An Automated Fault Detection Program for Multichannel Bandwidth Limited System," *IEEE 89th ARFTG Microwave Measurement Symposium* , Jun. 2017.
- **Chi Van Pham** *et al.*, "Development of Helical circular coils for wireless through-metal inductive power transfer," *IEEE Wireless Power Transfer Conference (WPTC)*, May 2017.
- **Chi Van Pham** *et al.*, "A 46:1 bandwidth ratio balun on multilayer organic substrate," *IEEE International Microwave Symposium (IMS)*, May 2015.
- **Chi Van Pham** *et al.*, "A Novel CPW-fed Fractal Antenna for UWB with Dual Notched-bands," *IEEE Advanced Technologies for Communications (ATC)*, Oct. 2015.