

Sun, Jingdong

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EDUCATION

Missouri University of Science & Technology (Missouri S&T) Ph.D. Candidate in Electrical and Computer Engineering	<i>Aug. 2016-Present</i> GPA: 4.0/4.0
Missouri University of Science & Technology (Missouri S&T) M.S. in Electrical and Computer Engineering	<i>Aug. 2014-May. 2016</i> GPA: 4.0/4.0
Huazhong University of Science & Technology (HUST) B.S. in Electronics and Information Engineering (Honor Program)	<i>Sept. 2010-Jun. 2014</i> GPA: 3.7/4.0

HONORS AND AWARDS

IEEE EMC Society Best Student EMC Hardware Design Award First Author. Granted by IEEE Electromagnetic Compatibility Society.	<i>Mar. 2015</i>
Exceptional Performance in the International EM Proficiency Test Top 4% among 265 exam takers from Japan, HK, Korea, Taiwan, and U.S.	<i>Oct. 2014</i>
Graduate Research Assistant Scholarship Full research scholarship granted by EMC Laboratory, Missouri S&T.	<i>Sept. 2014</i>
National Prize in Mathematical Modeling Contest CUMCM Top 5% among all the participates from China, Singapore, and U.S.	<i>Sept. 2012</i>

WORKING EXPERIENCE

ConvenientPower Systems (CPS), Leading in Wireless Charging Manager, RX System Group (14 members)	<i>Apr. 2017-Aug. 2018</i> <i>Chengdu, China</i>
<ul style="list-style-type: none">· Provided IC-based wireless power receiver solutions for mobile phones & accessories.· Solution for MEIZU POP TWS Earpods is the world's 1st earphones certified by WPC Qi standard.· Brought the 1st 10W fast wireless charging function to mobile phone GIONEE M7P in China.	
H3C Technologies Co., Ltd. Software Engineer	<i>May. 2011-Jan. 2013</i> <i>Wuhan, China</i>
<ul style="list-style-type: none">· Software development (C/C++) in user space and kernel for Linux-based router system.· Followed CMM dev methodology, completed HLD and UT cases. Deployed GTest environment.· Implemented network quality analyzer for multi-protocols based on C for H3C Comware platform.	

RESEARCH

Areas of Interests: signal integrity, wireless power transfer, device modeling, network algorithm.

Publications: 5 peer-reviewed journals and conference papers.

Presentations: 1 talk and 1 poster on CEMC IAB Meeting in 2016 and 2014.

Academic Projects

· Simulation of HPM / ESD Effects on Semiconductor Device	<i>Sept. 2016-Apr. 2017</i>
· Automated Channel Emulator Based on MEMS Switch	<i>Sept. 2014-Apr. 2016</i>
· Wireless Smoke Detection Based on Structure Similarity of Video	<i>Feb. 2014-Jun. 2014</i>

- Optimal Bandwidth Allocation Algorithm for VoD Streaming
- Huawei Heat Sink / IC Field Transformation

Nov. 2013-Nov. 2015
Jul. 2013-Oct. 2013

SKILLS

Hardware

Schematic, PCB layout, embedded system
ARM, FPGA, Xilinx Zynq, Intel Galileo

Measurement

Oscilloscope, VNA, SA, TDR measurement
Near-field scanning, and micro-probing

Software

C/C++, Perl, Python, Matlab, HTML/CSS, PHP,
Javascript, TCL/Tk, Verilog, Vim/Emacs, LaTeX

Simulation

RF simulation: HFSS, CST, EMC Studio
Circuit simulation: ADS, HSPICE

Last updated: September 18, 2018