Liang Li

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Summary

Apply for full-time job in RF design / Signal integrity related area
2-3 years' experience in RF field with good problem solving skills
Self-motivated, adaptable to new knowledge/technical skills, creative

Education

Missouri University of Science and Technology Aug. 2013 – Present
M.S. Electrical and Computer Engineering, GPA 4.0/4.0, advisor: Prof. Jun Fan
Huazhong University of Science and Technology Sep. 2009 – May. 2013
B.S. Electrical and Computer Engineering, GPA 3.8/4.0, ranking 2/20(Honor class)

Experience

EMC laboratory, ECE department, Missouri University of Science and Technology
Research Assistant

- **RF Interference Analysis for Cellphone(Samsung, Microsoft Mobile)** Aug. 2013 – Present
  Developing a near-field scanning based method for RF noise coupling estimation
  Estimating coupled power from IC, SMPS and LCD connects to victim antenna for real design
- **Near-field to Far-field Transformation(Huawei)** Sep. 2013 – Nov. 2014
  Developing near-field to far-field transformation method by noise source modelling
  Predicting EMC chamber measurement by near-field scanning for a clock module PCB
- **IC Emission Test in Near/Far Field(Amkor)** Nov. 2014 – Jan. 2015
- **Flexible PCB with Meshed GND Plane** Feb. 2015 – Present
  Characterizing Z0 and crosstalk coefficient for single/differential stripline
  Developing a design methodology/tool for flexible PCB with meshed ground

Honors/Awards

Best student paper award in 2015 EMC&SI symposium, Santa Clara, CA Mar. 2015
Full fellowship as research assistant in EMC laboratory, MST Sep. 2013
National undergraduate innovative training program funding, Ministry of education, P.R. China
National Scholarship for Encouragement, Ministry of education, P.R. China
National Student Stipend, Ministry of education, P.R. China
Outstanding Academic Performance Scholarship
3rd prize in Huazhong cup of mathematical modeling competition

Certifications

National computer Rank Examination Certificate, Grade 2 (C Language) and Grade 4 (Network Engineer), P.R. China
National Qualification Certificate of Computer and Software Technology Proficiency (Network Engineer), P.R. China

Publications

- "Near-field Coupling Estimation by Source Reconstruction and Huygens's Equivalence Principle" Accepted to be published on 2015 IEEE symposium on EMC & SI. **Best student paper award**
- "Measurement Validation for Radio-Frequency Interference Estimation by Reciprocity Theorem", accepted to be published on International Symposium on EMC in Germany 2015
- "Radio-Frequency Interference Estimation by Reciprocity Theorem with Noise Source Characterized by Huygens's Equivalent Source", ready to be submitted

Related Classes

Advanced RF measurement/design	Antenna analysis and design	Interference control
Analog/Digital circuit	Advanced electromagnetics	Signal Integrity
VLSI Design	Computational Electromagnetics	Regression Analysis

Skills

Equipment:	Vector-Network-Analyzer, Spectrum Analyzer, TDR, Oscilloscope
Software:	HFSS/Q3D, CST MWS, ADS, EMCstudio, Cadence Allegro/Virtuoso
Programming:	Proficient in C, C++, Python, Matlab; Familiar with Verilog, VB