

Li Yang

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Atlanta, GA 30332-0760

EDUCATION

- *08/2005 – present*
Ph. D. Candidate School of Electrical and Computer Engineering, Georgia Institute of Technology
Advisor: Prof. Manos Tentzeris
- *09/2002 – 07/2005*
Master of Science Dept. of Electronic Engineering, Tsinghua University
Advisor: Prof. Zhenghe Feng
GPA: 83.5/100
- *09/1998 - 07/2002*
Bachelor of Engineering Dept. of Electronic Engineering, Tsinghua University
GPA: 85.9/100

RESEARCH EXPERIENCES

- **Graduate Research Assistant** *08/2005- present*
Georgia Electronic Design Center, Georgia Tech, Atlanta, USA
 - Currently conducting research and development in design and characterization of RFID antennas and modules in multilayer configurations for HF, UHF, and RF frequency bands using organic materials.
- **Graduate Research Assistant** *09/2002 – 07/2005*
State Key Lab on Microwave and Digital Communications, Tsinghua University, China
 - Conducted design of a novel EBG configuration and the realization of element patch reconfiguration.
The project is a National Science Foundation of China's plan toward an ultra compact EBG structure.
 - Conducted design, fabrication and measurement of the Mobile Terminal Smart Antenna.
 - Schematic and layout design of a CMOS Gain-Boost Fully Differential Operational Transconductance Amplifier.
 - Schematic and layout design of an X-band LNA working at 9.5GHz.
- **SRT (Student Research Training) Program** *10/2001 – 06/2002*
 - Design, fabrication and measurement of a 3.5GHz up converter with 9 channels
 - Design and optimization of a 2.4GHz receiver LNA used in a satellite positioning system
- **Internship**
 - *02/2003 – 03/2003* Practical Training in HRH Communication Equipment Co., Ltd.
Design of a wireless stereo audio transceiver working at 915MHz.
My design has been put into commercial use.
 - *04/2003 – 07/2003* Visiting Student in Bell Labs Research, China.
Member in the High Speed Wireless Link Group, with responsibility for RF front-end design.

PUBLICATIONS

Journal Paper

- [1] Li. Yang, M. Fan, F. Chen, J.Z. She, and Zhenghe Feng
A novel compact Electromagnetic Bandgap structure and its applications for microwave circuits
IEEE Transactions on Microwave Theory and Techniques, vol. 53, no. 1, Jan. 2005.

Conference Papers

- [1] S. Basat, S. Bhattacharya, A. Rida, S. Johnston, L. Yang, M.M. Tentzeris, J. Laskar,
Fabrication and Assembly of a Novel High-Efficiency UHF RFID Tag on Flexible LCP Substrate
Proc. of the 2006 IEEE-ECTC Symposium, San Diego, May 2006.
- [2] Li Yang, M. Fan, and Zhenghe Feng
A Spiral EBG Structure And Its Application In Microstrip Antenna Arrays
Asia-Pacific Microwave Conference, Vol.3, pp.2121-2124, December 2005.
- [3] Li. Yang, Zhenghe Feng, F. Chen, and M. Fan
A novel compact Electromagnetic Bandgap structure and its application in microstrip antenna arrays
IEEE MTT-S International Microwave Symposium, vol. 3, pp. 1635 – 1638, Jun. 2004.
- [4] Li. Yang, Zhenghe Feng
Advanced methods to improve compactness in EBG design and utilization
IEEE Antennas and Propagation Society International Symposium, vol. 4, pp. 3585 – 3588, Jun. 2004.
- [5] Li. Yang, W. Chen, M. Fan, and Zhenghe Feng
Enhanced performance of a suspended patch antenna with stacked EBG utilization
IEEE Antennas and Propagation Society International Symposium, vol.3, pp. 2412 – 2415, Jun. 2004.
- [6] Wenhua Chen, Li Yang, and Zhenghe Feng
Yagi V-dipole reconfigurable antenna
IEEE Antennas and Propagation Society International Symposium, vol.2, pp. 1816 – 1818, Jun. 2004.
- [7] Fanglu Chen, W. Chen, Li Yang, and Zhenghe Feng
A novel switched-sector planar antenna using parasitic elements
IEEE Antennas and Propagation Society International Symposium, vol.1, pp. 855 – 857, Jun. 2004.

HONORS

- 10/2004 Infineon Academic Excellence Scholarship, Tsinghua University
- 10/2003 Outstanding Student Activist Award, Tsinghua University
- 07/2002 Excellent Bachelor Thesis Scholarship, Tsinghua University
- 12/2001 Motorola Academic Excellence Scholarship, Tsinghua University
- 11/2000 Excellent Community Work Scholarship, Tsinghua University
- 06/1999 Excellent Freshman Scholarship, Tsinghua University