

- Education**
- University of Michigan, Ann Arbor**
Ph.D. Pre-candidate in Electrical and Computer Engineering Aug. 2016-Present
Advisor: Professor Dennis Sylvester
- Northeastern University, Boston**
M.S. in Electrical and Computer Engineering Sept. 2013-May 2016
Thesis Topic: Low-power RF Circuit Design and Built-In Test Current Generation Techniques for Wireless Chips in Emerging Sensing Applications.
Advisor: Professor Marvin Onabajo
- Tongji University, Shanghai, P.R. China**
B.Eng. Degree in Automation Sept. 2005-July 2009
Thesis: Research on Inventory Management of Spare Parts (Operations Research).
- Industrial Experience**
- Linear Technology, Colorado Springs** Design Intern June 2015-Aug. 2015
DC-DC chip evaluation, ringing issue analysis and solution prototyping.
- Ricoh Electronic Devices Shanghai Co., Ltd** IC Designer July 2009-Aug. 2011
Responsible for LDO and DC-DC blocks design including spec evaluation, circuit design and verification with Cadence, programming of Ocean scripts, layout, post-layout verification, report and datasheet creation, chip evaluation, and teaching new engineers.
- Research**
- Michigan Integrated Circuit Laboratory** Aug. 2016-Present
Analog and Mixed-Signal Circuit Design for Emerging Applications
- AMSIC Research Laboratory, Northeastern University** Sept. 2013- May 2016
1. Linearization Technique of Sub-1V and Sub-mW RF Front End
 2. On-Chip Input Impedance Self-Calibration of EEG Analog Front-End
- Publications**
- [1] **L. Xu**, C.-H. Chang, and M. Onabajo, "A 0.77mW 2.4GHz RF Front-End with -4.5dBm In-Band IIP3 Through Inherent Filtering", *IEEE Microwave and Wireless Components Letters*, May 2016.
 - [2] C.-H. Chang, **L. Xu**, and M. Onabajo, "Instrumentation Amplifier and Current Injection Circuit Design for Input Impedance Boosting in Biopotential and Bioimpedance Measurements", *Analog Integrated Circuits and Signal Processing*, Feb. 2016.
 - [3] **L. Xu**, K. Wang, C.-H. Chang, and M. Onabajo, "Inductorless Linearization of Low-Power Active Mixers", in *Proc. IEEE International Symposium on Circuit and Systems (ISCAS)*, pp. 2213-2216, May 2015.
 - [4] **L. Xu** and M. Onabajo, "A Low-Power Temperature-Compensated Relaxation Oscillator for Built-in Test Signal Generation," in *Proc. IEEE International Midwest Symposium on Circuits and Systems (MWSCAS)*, Aug. 2015.
 - [5] M. Onabajo, C.-H. Chang, **L. Xu**, "Subthreshold RF Circuit Design for Short-Range Wireless Communication Applications," *CMOS Emerging Technologies Workshop*, Montreal, Canada, May 25-27, 2016.

**Publications
(Cont.)**

- [6] C.-H. Chang, **L. Xu**, and M. Onabajo, "A low-power RF receiver front-end chip designed with methods to reduce third-order intermodulation distortion," in *Proc. IEEE Dallas Circuits and Systems Conference (DCAS)*, Oct. 2016.
- [7] S. A. Zahrai, **L. Xu**, C.-H. Chang, K. Wang, I. Farah, and M. Onabajo, "On-chip digital calibration for automatic input impedance boosting during biopotential measurements," in *Proc. IEEE Intl. Midwest Symp. on Circuits and Systems (MWSCAS)*, Aug. 2015.
- [8] **L. Xu**, J. Feng, Y. Ni, and M. Onabajo, "Test Signal Generation for the Calibration of Analog Front-End Circuits in Biopotential Measurement Applications," in *Proc. IEEE International Midwest Symposium on Circuits and Systems (MWSCAS)*, pp. 949-952, Aug. 2014.

**Review
Experience**

Reviewer, *International Journal of Circuit Theory and Applications (IJCTA)*, *IEEE Transactions on Circuit and Systems Part II (TCAS II)*, *IEEE International Symposium on Circuit and Systems (ISCAS) 2016*, *IEEE Midwest Symposium on Circuits and Systems (MWSCAS) 2014*, and *Great Lakes Symposium on VLSI Systems (GLSVLSI) 2015*.

Hobbies

Soccer Left Back on soccer team of School of Electronics and Information at Tongji University

Movie 111 enjoyed /IMDb Top 250