

## Maya M. Lassiter

Graduate Student  
Electrical and Computer Engineering  
Carnegie Mellon University

email: mlassite@andrew.cmu.edu  
skype: maya.m.lassiter  
www.mayalassiter.net

---

## Education

Carnegie Mellon University	Electrical and Computer Engineering	M.S., 2019
Carnegie Mellon University	Electrical and Computer Engineering	B.S., 2017

## Relevant Experience

- Summer Research Program Intern in Group 87  
*MIT Lincoln Laboratory, Lexington, MA, with D. Ripin* Summer 2019
- Graduate Research Assistant in Electrical and Computer Engineering  
*Carnegie Mellon University, Pittsburgh, PA, with M. Chamanzar* 2017 - Present
- Graduate Student Laboratory Technician in Nanofabrication Facility  
*Carnegie Mellon University, Pittsburgh, PA, with M. Moneck and G. Piazza* 2017 - Present

## Recognition

- NCWIT Collegiate Award Finalist 2019
- GEM PhD Fellow Candidate 2019
- IEEE – Eta Kappa Nu Sigma Chapter Induction 2018
- William J. Happel Fellow 2018
- GEM MS University Fellow 2017

## Publications

1. **M. Lassiter**, J. Reddy, R. Venkateswaran, M. Chamanzar. Standalone multi-channel soft optical neural probes (in preparation)
2. J. Reddy, **M. Lassiter**, M. Chamanzar. Flexible parylene photonic waveguide arrays with integrated micro-mirrors for localized, broadband illumination of tissue (in preparation)
3. **M. Lassiter**, A. Nanavati, E. Pintar, M. Xie, E. A. Teves, M. B. Dias. iSTEP 2015: Cross-cultural technology development toward language access for the Deaf and hard of hearing, *tech. report CMU-RI-TR-16-32, Robotics Institute, Carnegie Mellon University, June 2016.*

## Posters and Presentations

1. **M. Lassiter**, J. Reddy, M. Chamanzar. Compact Discrete Light Source Packaging for Standalone Flexible Optical Neural Probes, *9<sup>th</sup> International IEEE EMBS Conference on Neural Engineering* 2019.
2. **M. Lassiter**, J. Reddy, M. Chamanzar. Flexible, polymer waveguide arrays with integrated 90-degree input/output ports for high-resolution light delivery to the brain, *Society for Neuroscience Nanosymposium* 2018.
3. J. Reddy, **M. Lassiter**, R. Venkateswaran, L. Stewart, A. Barth, M. Chamanzar. Parylene optical waveguides: a new platform for implantable photonics, *Carnegie Mellon Forum on Biomedical Engineering* 2018. **\*Awarded Outstanding Poster Presentation**

## Teaching Experience

- **Teaching Assistant**
  - Micro and Nano Systems Fabrication 18-615 S 2019
  - Fundamentals of Electromagnetics 18-300 F 2018
  - Undergraduate Course Development 18-2XX U 2018
  - Introduction to Electrical and Computer Engineering 18-100 U 2018
  - Electronic Devices and Analog Circuits 18-220 2016-17

## Outreach and Service

- University Leadership Search Committee Member:
  - Associate Vice President and Chief Information Officer (2018)
  - Executive Director of Counseling and Psychological (2018)
  - Vice President for Community Health and Wellness (2017)
- 2018 Pennsylvania Student Power Network Fellow
- President's Task Force for Student Health and Well-Being (2016-17)
- Stever House Community Advisor (2016-17)
- Director College of Engineering Community Building Committee (2014-17)
- Member of University Leadership Student Advisory Council (2014-17)
- Member of Future Faculty Program, ECE Outreach, IEEE, IEEE-HKN, SfN, OSA