Employment by Sector of ERC Graduates *

* includes Undergraduate, Masters and Doctoral Graduates
2018 Project Investigators by Educational Discipline

- Architecture/Environmental Design - 3.8%
- Computer science - 3.8%
- Computer/systems engineering - 28.2%
- Electrical, electronics, communications engineering - 30.8%
- Engineering sciences, mechanics, physics - 5.1%
- Health/medical sciences - 3.8%
- Materials engineering, including ceramics and textiles - 9.0%
- Mechanical engineering - 3.8%
- Medicine (e.g., dentistry, optometry, osteopathic, veterinary) - 7.7%
- Plant sciences - 3.8%
Bytelight, focused on indoor VLC based location and low bitrate communication services, was acquired by Acuity Brands in 2015. Acuity now markets this product as Atrius™ Retail.

Nanoview Biosciences (initially NexGen Arrays) is commercializing LESA’s biosensing work on low cost, point-of-care infectious disease detection.

SelfArray, Inc. is commercializing new display, lighting, and micro-concentrated photovoltaic panels using its transformative chip packaging platform.

DPA Ventures, still operating in “stealth” mode, has licensed LESA technology to work on virtual windows for Intensive Care Units in hospitals.

Helux Technologies, Inc. is developing applications of MEMS-based light
ACADEMIC PARTNERS AND LOCATIONS

*Diversity Alliances are represented by their Lead Partner Institution*

[Map of the United States showing academic partners and locations]
LESA’s education and outreach (E&O) activities are designed to attract students to science, technology, engineering and mathematics (STEM) programs, and to equip them with the knowledge and personal skills needed to succeed in this rapidly expanding career field.

LESA has dubbed graduates who will work in the LESA world as “Illumineers” because they are trained in both engineering and illumination.

- 329 Peer Reviewed publications co-authored with ERC students
- 57 Doctoral Degrees, 25 Master Degrees and 41 Bachelor Degrees awarded to ERC Students
- 17 New Courses developed based on ERC research
- Over 25,000 K-12 students attended ERC educational outreach events
- Developed new, technology-enhanced Experiment Centric Pedagogy (ECP) to enable effective delivery of Illumineer content
- Created a collaboration of 13 HBCUs to use ECP to recruit and retain more undergraduate African American electrical and computer engineers
- Helped undergraduates develop attitudes