

## ECE FLORIDA AT A GLANCE

[ece.ufl.edu](http://ece.ufl.edu)



**John G. Harris, Ph.D.**  
PROFESSOR & CHAIR

Electrical and computer engineering underlies much of what we take for granted in today's technology-driven world. ECE has expanded far beyond its origins with electricity. From aeronautics to autonomous vehicles, artificial intelligence to robotics, biomedical to smart cities—ECE powers it all. You may not be able to see the electricity but you can still see the light.

It's a fantastic time for ECE Florida. We're growing like never before—in the last ten years, we've increased our faculty numbers by 40%, doubled our research expenditures, and tripled the number of faculty endowments. We currently boast 54 tenured and tenure-track faculty, approximately 600 undergrad EEs, 600 undergrad CpEs, and 600 grad students.

ECE is leading the way in cybersecurity, machine learning, and the Internet of Things. Our next major project is the new Data Sciences Information and Technology (DSIT) building which will house the major parts of both the ECE and CISE Departments.

## ECE

- Electromagnetics
- Novel Devices
- Power Systems
- Electronics
- Communications
- Controls
- Signal Processing
- Machine Learning
- Computer Engineering

### ECE FLORIDA MAJOR GROWTH AREAS



#### Cyber Security

The Florida Institute for CyberSecurity (FICS) Research

studies every aspect of cyber security and leads the country in system and hardware security.

[fics.institute.ufl.edu](http://fics.institute.ufl.edu)



#### Machine Learning

The NSF Center for Big Learning (CBL) leverages an industry

consortium to pioneer new theory and applications using novel algorithms and architectures.

[nsfcbl.org](http://nsfcbl.org)



#### The Internet of Things

The Warren B. Nelms Institute for the Connected

World leads research and education in the intelligent connection of things, processes, people, and data.

[iot.institute.ufl.edu](http://iot.institute.ufl.edu)

# #17

# \$19M

# 2x

# 40%

National ranking among public ECE departments (USN&WR)

Annual research expenditures for FY 2018-19 (ASEE definition)

Research expenditures have doubled in the last ten years

The number of tenured/tenure-track faculty has increased by 40% in the last ten years