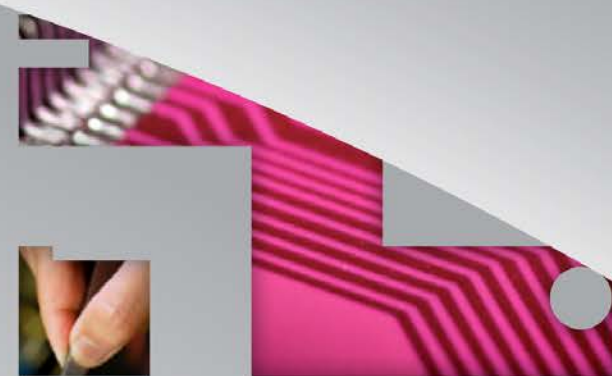


Strategic Planning in ECE

DECEMBER 2016



A. JAMES CLARK
SCHOOL OF ENGINEERING

Clark School Themes

- **Develop Fearless Engineers who will Mpack the Grand Challenges and other societal problems of the 21st century.**
 - **Educate based on societal needs/problems**
- **Lead and transform the engineering discipline and the profession.**
 - **research**
- **Accelerate innovation and entrepreneurship.**
- **Build a culture of Mpack among Clark School faculty, staff, students, alumni, donors, friends, and the local, state, national, and international community.**
 - **Build community**



Clark School Strategic Research Areas

- **Additive and Advanced Manufacturing Autonomy and Robotics**
- **Bioengineering, Biomedical Devices, and Health Sciences**
- **Cybersecurity, Data Sciences and Analytics**
- **Transportation, Infrastructure Renewal, and Disaster Resilience**
- **Energy and Sustainability**
- **Quantum Optics, Communication and Computing**
- **Virtual and Augmented Reality**



Identified Themes from Strategic Plans from other ECE Departments and Colleges of Engineering

- **Research Excellence**
- **Innovation/ Entrepreneurship**
- **Education and curriculum**
- **Faculty recruitment/ retention**
- **Reputation**
- **Diversity**
- **Infrastructure**



Let's Begin a New Strategic Plan!

Who are we and where are we now?

Vision

mission

What is important to us?

key choices

key values

What are we going to achieve and in how long of a period?

long term/short term

Accountability/Metrics



Potential Strategic Research Areas

- **Cybersecurity**
- **Internet of Things**
- **Design**
- **Autonomous Systems**
- **Energy (power)/Sustainability**
- **Undergraduate Education/Research and Recruitment**
- **Quantum**



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Potential Strategic Growth Areas

- **Teaching/Education**
- **Research**
- **External Relations**
- **Service**



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