Creating an Environment of Innovation
Texas A&M University at Qatar
Research Showcase
April 23, 2015

G. P. “Bud” Peterson
President

Georgia Institute of Technology
About Georgia Tech

Top 10 Public Research University in the U.S. for a Decade (U.S. News & World Report)

23,000 students

$730M in Research Expenditures

Outstanding programs in
  Architecture
  Computing
  Engineering (in the Top 5 in the nation)
  Sciences
  Scheller College of Business
  Ivan Allen College of Liberal Arts

Global presence and impact
  48% of undergraduates have an international experience before graduation
  Campus in France, global centers in China, Singapore, Costa Rica, and Panama
Leadership and Innovation

• Students from 50 states, 87 countries
• Many are already engaged in leadership activities before coming to campus
• 400 student organizations
• Grand Challenges living-learning communities
• Innovation as part of curriculum
• Numerous student competitions to promote entrepreneurial confidence
• Collaboration with business and industry
Innovative Learning Approaches

Collaborative

Interdisciplinary

Online Courses and Programs (OMS-CS)

“Flipped” Classrooms

Emphasis on Undergraduate Research

Service Learning

Global Challenges
Student Innovation Programs

Capstone Design

Convergence Challenge

Invention Studio

Master of Biomedical Innovation and Development

Scheller College of Business Startup Competition

Startup Summer
2015 InVenture Prize Finals April 1

- 1st Place FlameTech Grill Defender
- 2nd OculoStaple
- People’s Choice – Haplit
- InVenture Challenge @Georgia High Schools
- CREATE-X introduced to build entrepreneurial confidence
Last Year’s InVenture Prize Winners

1st Prize:
- $20,000
- Free licensing
- Flashpoint
Institute-wide Effort to Foster Entrepreneurship – the FIXD Story

• Began working on it through StartupLab
• Completed Startup Summer, 12-week startup internship
• Seed funding through Kickstarter
• Won Cisco’s “Internet of Everything” Challenge for 2015
• Launching full product release in May
Tech Square

An innovation district where new start-up ventures, large companies, and higher education collaborate to develop new technologies and impact economic development.
Tech Square “Then” and Today
Momentum in Tech Square

Panasonic
May 2012

ThyssenKrupp
Jan. 2013

AT&T
August 2013

Home Depot
Summer 2014

Coca-Cola Enterprises
December 2014

Southern Company
Summer 2015

Worldpay headquarters
by 2016

NCR headquarters
2017-2018
Innovation Centers

Southern Co. plans Energy Innovation Center at Georgia Tech’s Technology Square

The Energy Innovation Center at Georgia Tech’s Technology Square in Midtown will develop and test ideas. Employees’ ideas will be among the first tested as part of a companywide competition.

The parent of Georgia Power and other utilities in the Southeast will join a growing number of major corporations that are setting up shop at the Midtown technology hub.

Technology Square, which opened in 2003, is at Fifth and Spring streets, just east of the Downtown Connector. The $260 million 14 million square foot of office, hotel, and retail space.
WorldPay confirms $1M investment in new fintech accelerator at Georgia Tech

WorldPay on Tuesday confirmed plans to invest $1 million to underwrite a financial technology accelerator at the Advanced Technology Development Center (ATDC) at Georgia Tech.

Atlanta Business Chronicle first reported the innovation center plans on Feb. 10.

WorldPay CEO Tony Catanzano made the announcement with Georgia Lt. Gov. Casey Cagle and Georgia Tech officials at an event at the Gold Dome.
Our Research Strategy

Pursuing a research strategy involving the entire Institute **to maximize economic and societal impact.**

Defined **12 core research areas**

**Established a focus on faculty** through leadership platforms

Created synergy between academic, research, extension faculty, and related research support functions

Strengthened **external partnerships**
12 Core Research Areas

- Bioengineering and Bioscience
- Data Engineering and Science
- Electronics and Nanotechnology
- Energy and Sustainable Infrastructure
- Manufacturing, Trade, and Logistics
- Materials
- National Security
- People and Technology
- Public Service, Leadership, and Policy
- Renewable Bioproducts
- Robotics
- Systems
Bioscience at Georgia Tech

A unique blend of engineering, biology, chemistry and computing, along with partnerships such as Emory University and Children’s Healthcare, have transformed the campus into a magnet for bio-minded scientists.

Ravi Bellamkonda
M.G. Finn
Susan N. Thomas
Engineered Biosystems Building

Made possible through our efforts to establish partnerships

200,000 square feet

Interdisciplinary hub to foster collaboration
Your Turn – Questions & Discussion

Spring commencement speakers