NC STATE THINK AND DO THE EXTRAORDINARY

Administrative Leadership Meeting

Randy Woodson
Chancellor

Tuesday, May 8, 2018

Upcoming ALMs

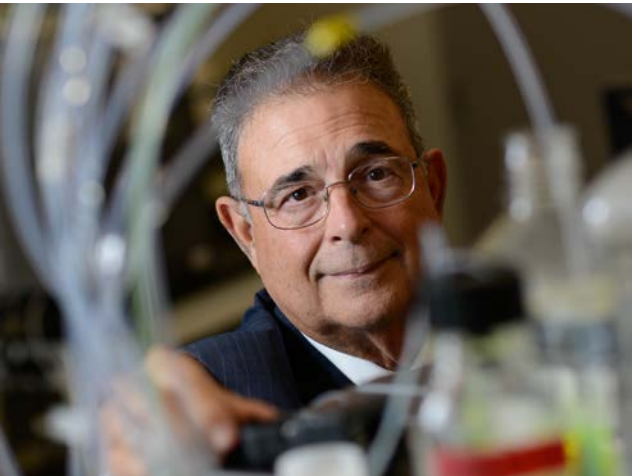
July 10, 2018	Understanding our Rankings	Titmus

Faculty Accolades

Dr. Rodolphe Barrangou

National Academy of Sciences

- 9th current NC State faculty member elected to NAS
- NC State now has 27 members of National Academies



Dr. Ruben Carbonell

2018 O. Max Gardner Award

- Highest system-wide honor given to faculty members by UNC Board of Governors
- Award recognizes “greatest contribution to welfare of human race”

Student Accolades

Ashley Lawson
Truman Scholar

Madison Maloney
Goldwater Scholar

Commencement

Questions?

North Oval Innovation Update

Scott Douglass

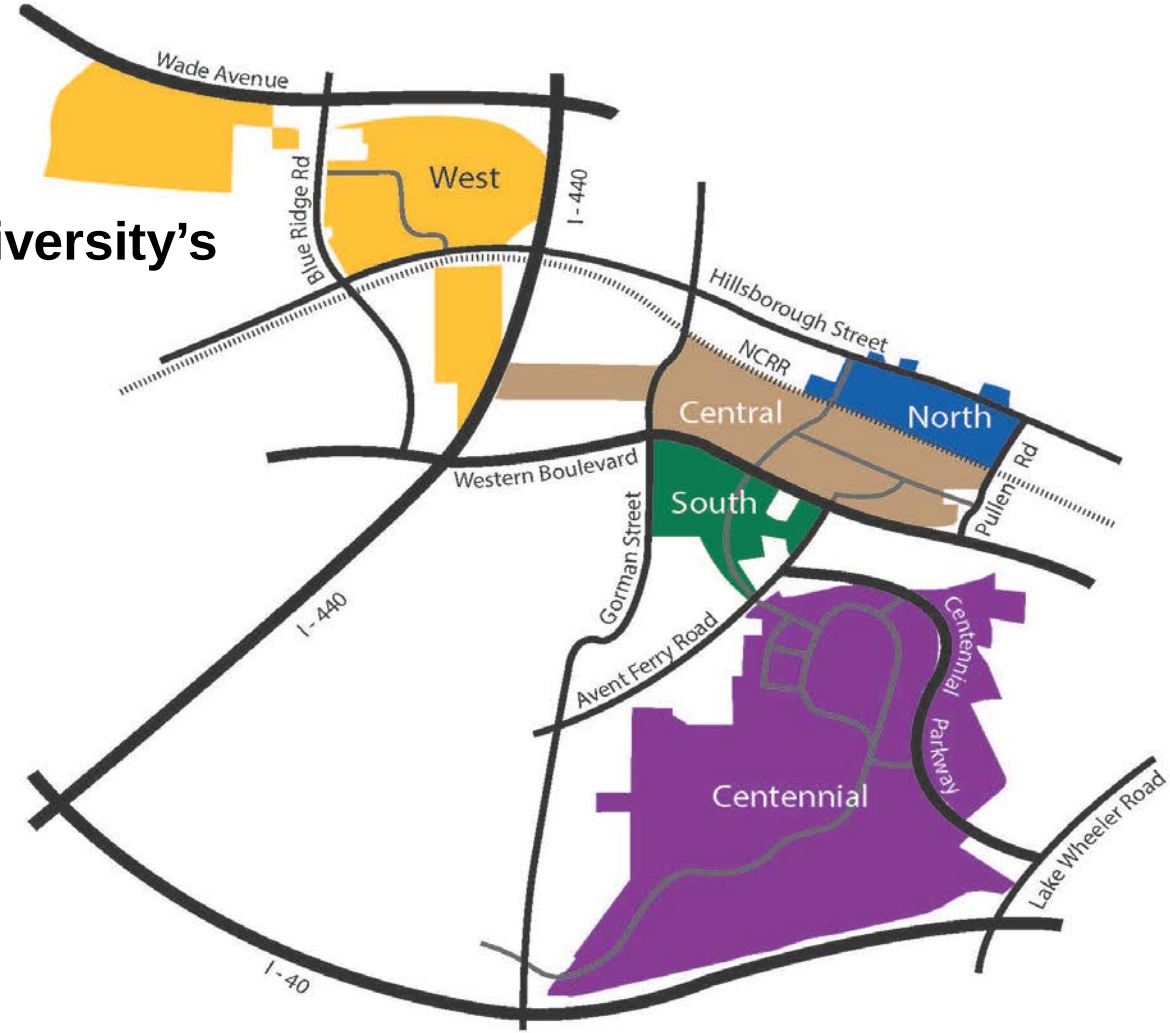
May 8, 2018

NC State was founded with a purpose**:** **to create economic, societal and intellectual prosperity** for the people of North Carolina and the country.

A **pre-eminent research enterprise**, NC State excels in science, technology, engineering, math, design, the humanities and social sciences, textiles and veterinary medicine.

North Carolina State University's Core Campus

- **2,112 acres**
- **15.6M SF**
- **462 buildings**



1984 Governor Hunt and the General Assembly create Centennial Campus with conveyance of initial 355 acres.

"Centennial Campus adds a fourth dimension to the trinity of teaching, research, and extension: partnerships with the private sector in pursuit of the public good."

-- Governor Hunt

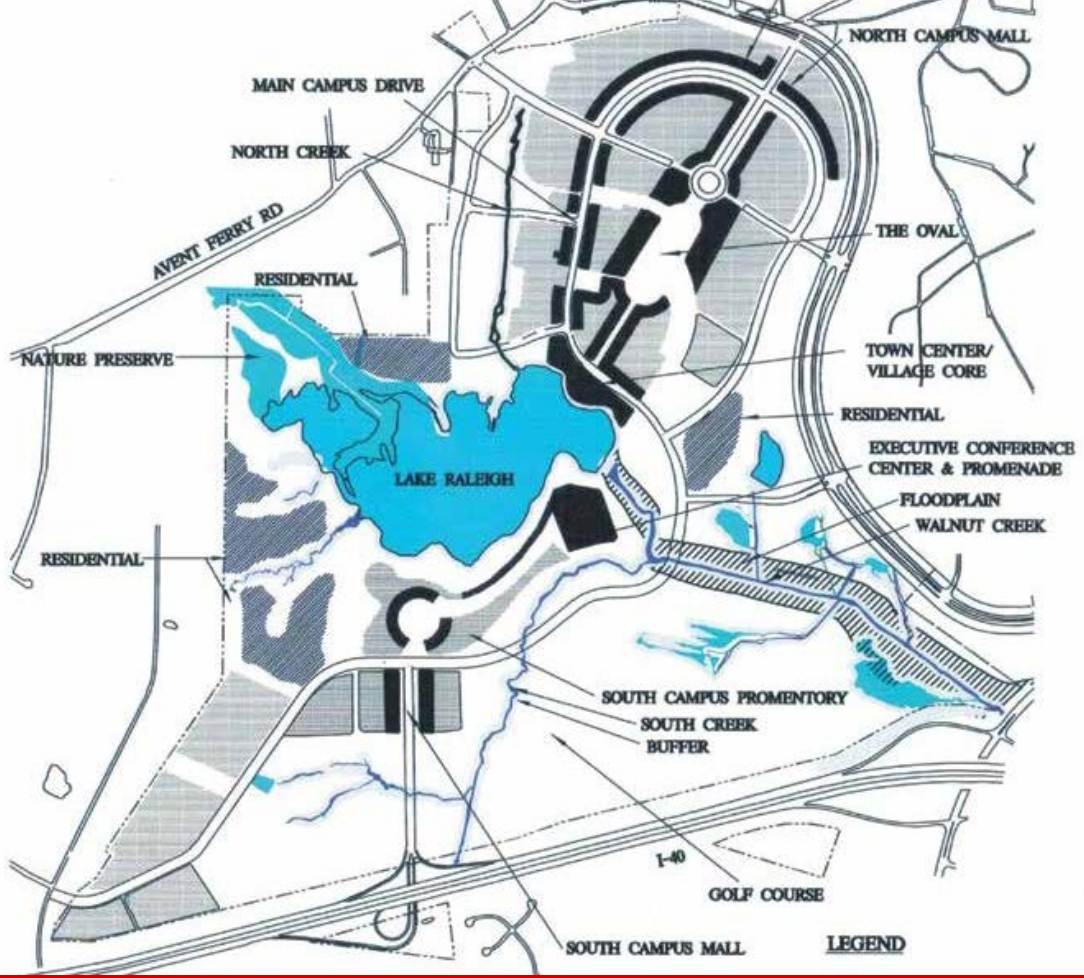
1985 Governor Martin allocates 450 acres.

1986 NCSU acquires 76.8 acres from the Catholic Diocese.

1987 NCDA coveys 118.9 acres to NC State.

2014 State allocates 130 acre Spring Hill property to NCSU.

Academic
Research
Public-private partnerships
• Corporate facilities
• Commercial & retail
• Residential
Public service
Public spaces



Centennial Campus Vision 1988

Centennial Campus the early years

1999
2004
2007
2010
2001
2005
2000
2004
2006
2010
2013-14
2015
2003
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2004
1999
2012
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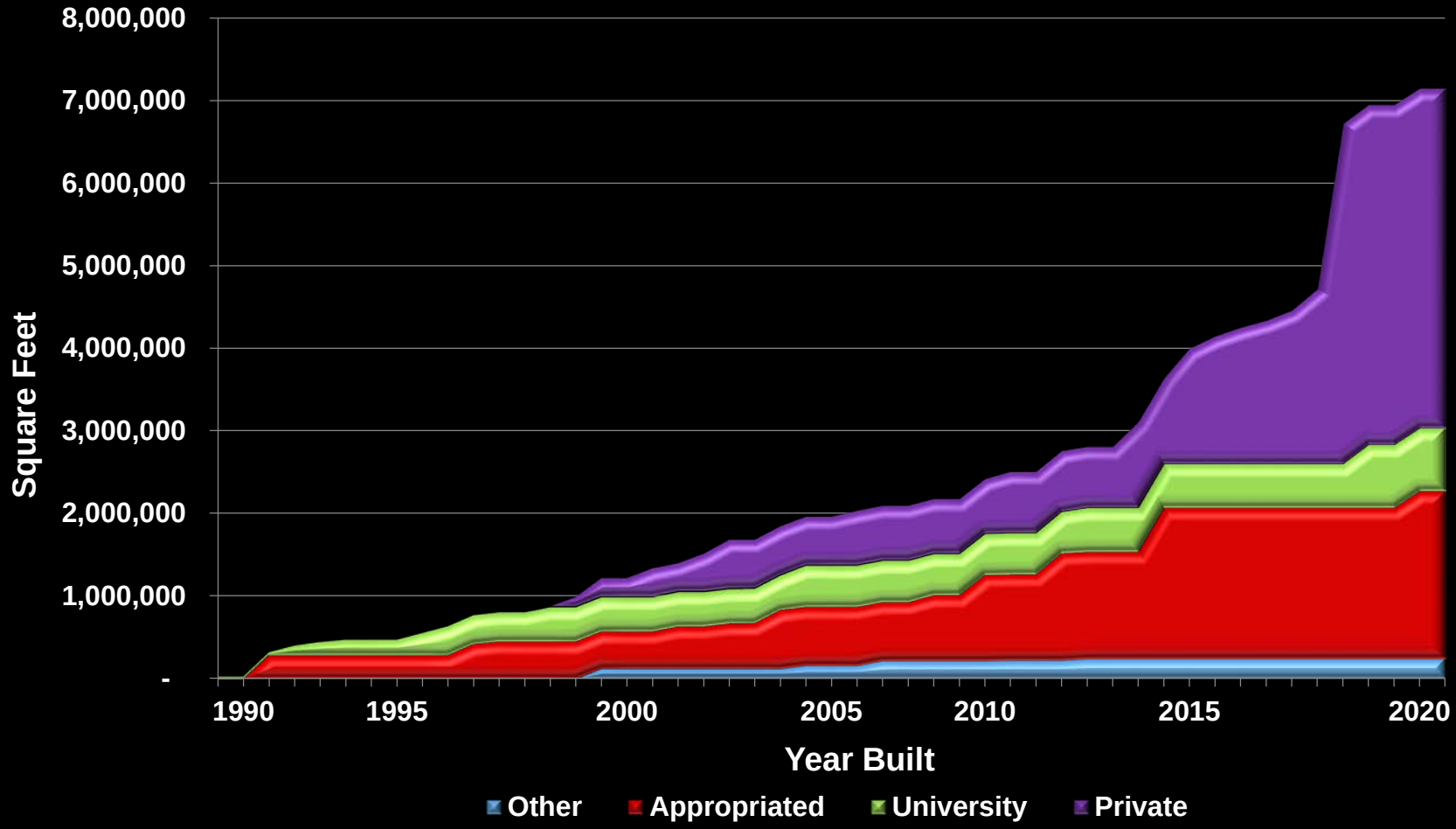
1997
2017
1991
1990
1996
1997


8,000,000
7,000,000
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2,000,000
1,000,000
-
Square Feet
1990
1995
2000
2005
2010
2015
2020
Year Built
Other
Appropriated
University
Private

The question is not how can we sustain the growth of Centennial Campus…

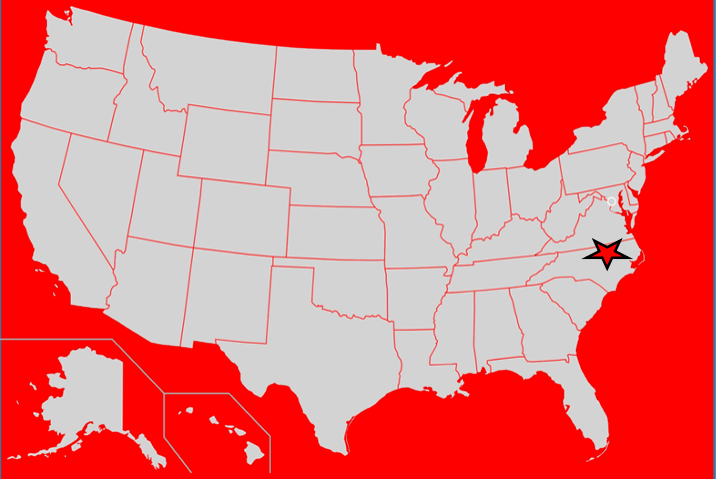
How do we advance NC State’s core academic mission?

Innovation Districts are …

… the ultimate mash up of entrepreneurs and educational institutions, start-ups and schools, mixed-use development… bike-sharing and bankable investments—all connected by transit, powered by clean energy, wired for digital technology, and fueled by caffeine.

-- Brookings Institution

The case for Centennial evolving into a successful – sustainable – INNOVATION DISTRICT



EVOLVE

Centennial Campus: Today

Continue to evolve into an Innovation District…

- College of Textiles
- College of Engineering

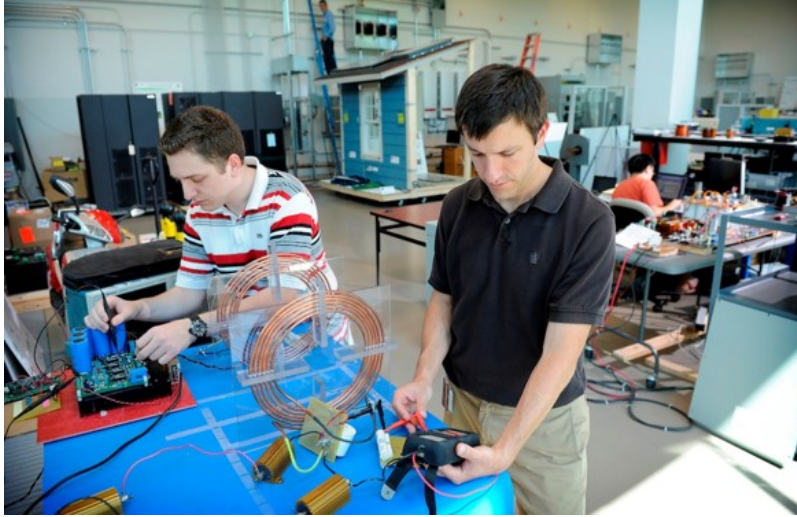
- Hunt Library

- Golden LEAF Biomanufacturing Training & Education Center (BTEC)
- The Nonwovens Institute

Federally-Funded Research

1 of only 2 universities leading 2 NSF Engineering Research Centers

- FREEDM Systems Center: Smart-grid technology
- ASSIST Center: Self-powered health monitors

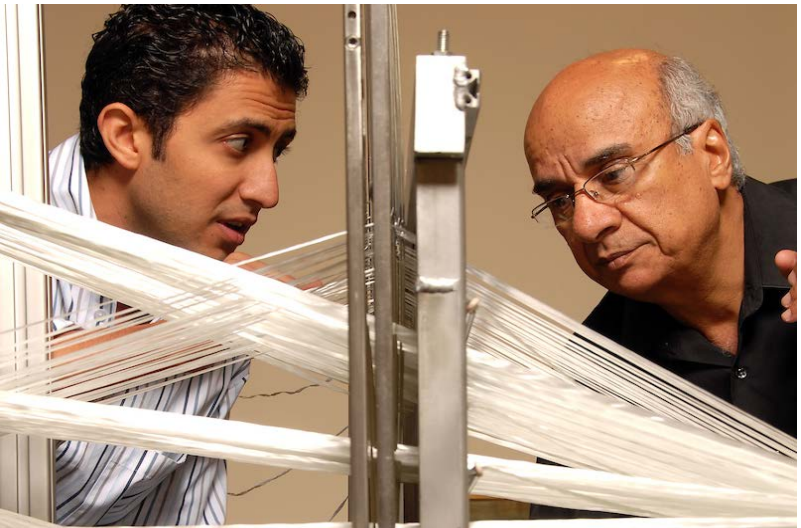


Partner in 7 of 14 Manufacturing USA Institutes

- More partnerships than any other university in U.S.
- Working to give U.S. manufacturing greater competitive advantages

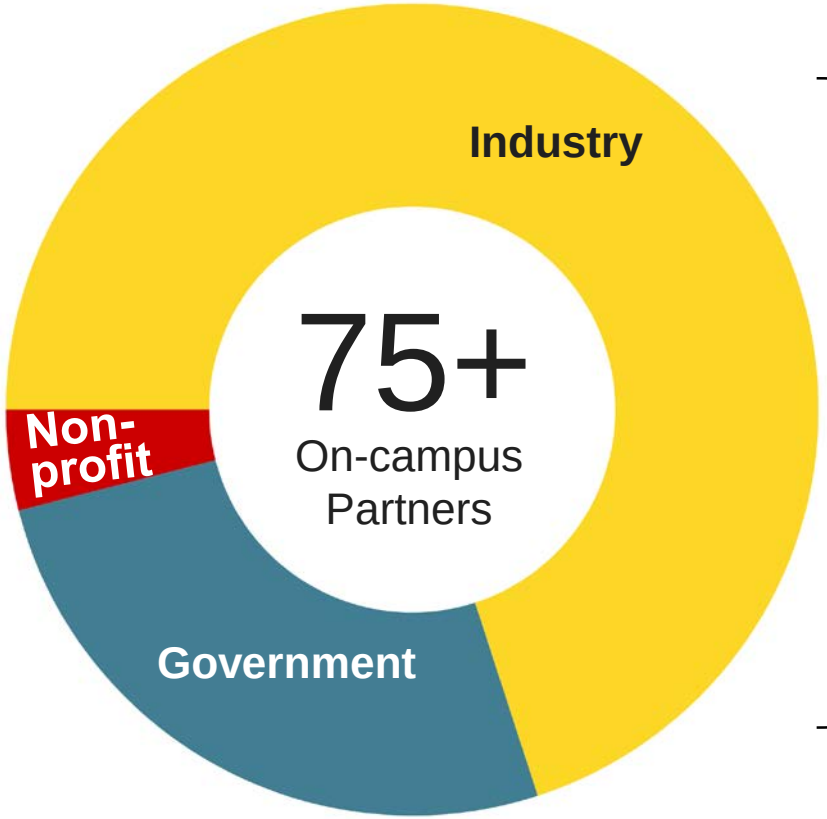
ABB

- 1st corporate partner (1991)
- Nearly 700 employees on campus
- Has hired more than 250 NC State graduates
- Member of several NC State Centers & Institutes



VF Corporation

- Partnership with College of Textiles and Poole College of Management to offer undergraduate and graduate internships, student projects, competitions, and more
- Industry-leading apparel and textile research
- Executive education opportunities for VF Corporation



ABB

NATIONAL SECURITY AGENCY
UNITED STATES OF AMERICA

skema
BUSINESS SCHOOL

Pentair
Pool Products
Because reliability matters most

EASTMAN

Hanes

IBM

bandwidth

MERCK

MANN+HUMMEL

republic
WIRELESS

LexisNexis

WEBASSIGN
From Cengage

Dynamic Public-Private Partnerships

NC State's Expanding Entrepreneurial Ecosystem

Fitts-Woolard Hall

June 2020

Plant Sciences Building

Winter 2021

TWO NEW ACADEMIC BUILDINGS

Industry: the new demands

18 hour innovation district lifestyle

WORK

AND

LIVE & PLAY

Lonnie C. Poole Golf Course

- Public course
- Lab for our Professional Golf Management and turf-management programs

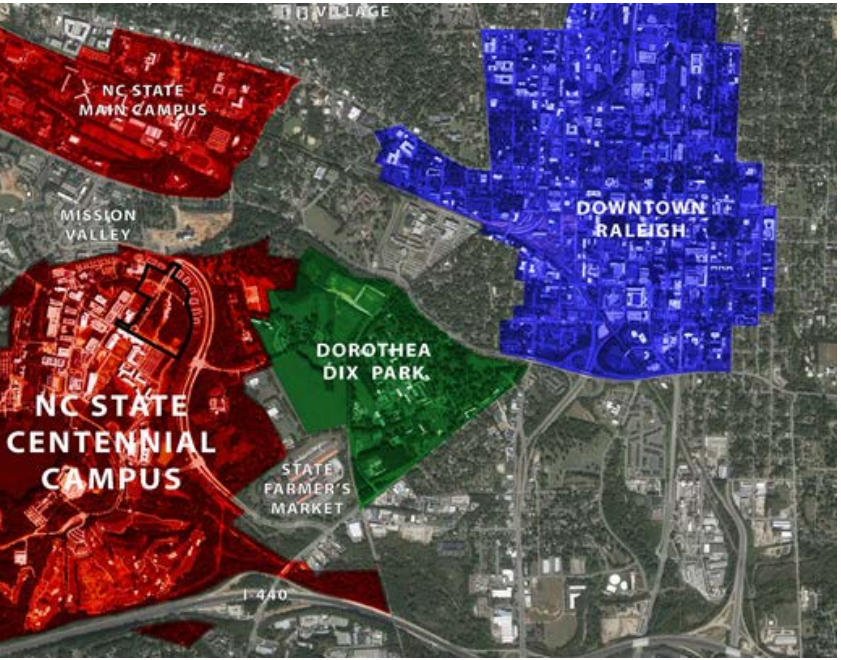
North Shore Community

- Non-student townhouse and condominium complex
- Adjacent to Lake Raleigh

The Greens

- Non-student apartment community
- 292 apartments

City of Raleigh: Partnerships & Proximity



ABB

National Security Agency – United States of America

skema BUSINESS SCHOOL

Pentair Pool Products – Because reliability matters most

EASTMAN

Hanes

IBM

bandwidth

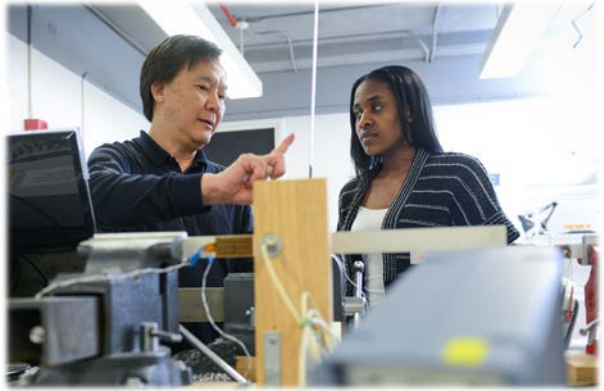
MERCK

MANN+HUMMEL

republic WIRELESS

LexisNexis

WEBASSIGN From Cengage



Self-Sustaining Economic Engine

Developing the North Oval

- Public-private partnership that supports a vibrant innovation ecosystem that advances NC State's academic, research and outreach mission, enhancing the opportunities for faculty and students.
- Creates a network of entrepreneurial and social spaces that expands opportunities for collaboration.
- 32-acre -- phased -- mixed-use development that leverages the University's prior investments to secure new and expanded private investment.
- 1.5% of the total "core" campus land.

2017	March	Completed preliminary analysis
	May	Selected advisor
	July	Innovation team RFQ
	November	Interviewed 5 finalists
	December	Selected lead firm
2018	January	Due diligence
	February	Innovation team selected
	July	Begin Innovation Engagement
	Fall	Negotiate development agreement

Innovation District Timeline

WEXFORD
SCIENCE+TECHNOLOGY

Developing communities that drive innovation. Wexford works collaboratively with our partner institutions to help create and develop vibrant, mixed-use, amenity-rich Knowledge Communities that are built on a foundation of research, discovery and entrepreneurial activity.

Projects:

- Cortex Innovation Community
- uCity Square
- University of Maryland BioPark
- Converge Miami
- Wake Forest Innovation Quarter
- University Technology Park at IIT
- South Street Landing
- The Chesterfield

Innovation engagement interviews with:

WEXFORD SCIENCE+TECHNOLOGY

- Chancellor, Provost & Deans
- Senior faculty administrators
- Selected Department Heads
- Selected faculty
- Other stakeholders

“Our mission is to become the premier destination for innovative collaboration between business, research, and education.”

Chancellor Randy Woodson