

MINUTES
UNIVERSITY ADVISORY COUNCIL ON
STRATEGIC BUDGETING AND PLANNING
April 21, 2022

Present: Scott Case, Nikolaos Dervisis, Jeff Earley, Nancy Gruber, Dan Harrington, Don Hatfield, Tim Hodge, Mintai Kim, Ed Lener, Erin McCann, Liza Morris, Sean O'Keefe, and Michael Sorice

Absent with Notice: Cyril Clarke, Joe Merola and Ken Miller

Absent: Angel Carter, Joell Eifert, Bob Hicok and Anusha Prasad

Guests: Ted Price (substitute for Carol Cash), Ken Smith

1. Announcement of approval and posting of minutes of March 17, 2022

The March 17, 2022 minutes have been approved and forwarded to the University Council for posting on the web.

2. Presentation

Dr. Ken Smith, Chief Operating Officer of Virginia Tech Innovation Campus, provided an update to the Council on the Innovation Campus. The Innovation Campus is being built in Northern Virginia for several reason, including the need for tech talent to fill the fast-growing technology jobs in the Greater DC area. The Commonwealth created the Tech Talent Investment Program (TTIP) to help fund the growth in the tech talent area, especially in tech fields for women and underrepresented minorities. The goal of the Innovation Campus is to unite academia, corporations, and federal agencies to reimagine what's possible and to help transform and sustain Northern Virginia to be the next tech hub.

The Vision of the VT Innovation Campus will be both a place and a culture the unlocks the power of diverse people and ideas to solve the world's most pressing problems through technology. The defining culture will be an outward-facing community, determined to live up to the term "innovation" along every dimension. This campus will also be the most diverse graduate tech program in the country, with 50% of the graduate students being in-state students. The initial focus will be on a Master of Engineering degree which will follow the project-based education format. There will also be traditional PhD/MS academic programs.

The Innovation Campus has already accepted partnerships with Boeing and Northrop Grumman, but continue to engage in partnership opportunities with other corporations, government and non-profits to create a topical consortia. The Innovation Campus is also partnering with Alexandria City Public Schools to promote computational thinking throughout the K-12 curriculum.

Dr. Smith finished his presentation touching on the size, costs, and location of the Innovation Campus, along with a 3-D tour of the main building. A copy of the presentation is attached to the minutes.

3. Adjournment

There being no further business, the meeting adjourned at 4:56 p.m.



Virginia Tech Innovation Campus

***Creating a Bold New Vision for Graduate Education
in Computer Science and Computer Engineering in
Alexandria, Virginia.***

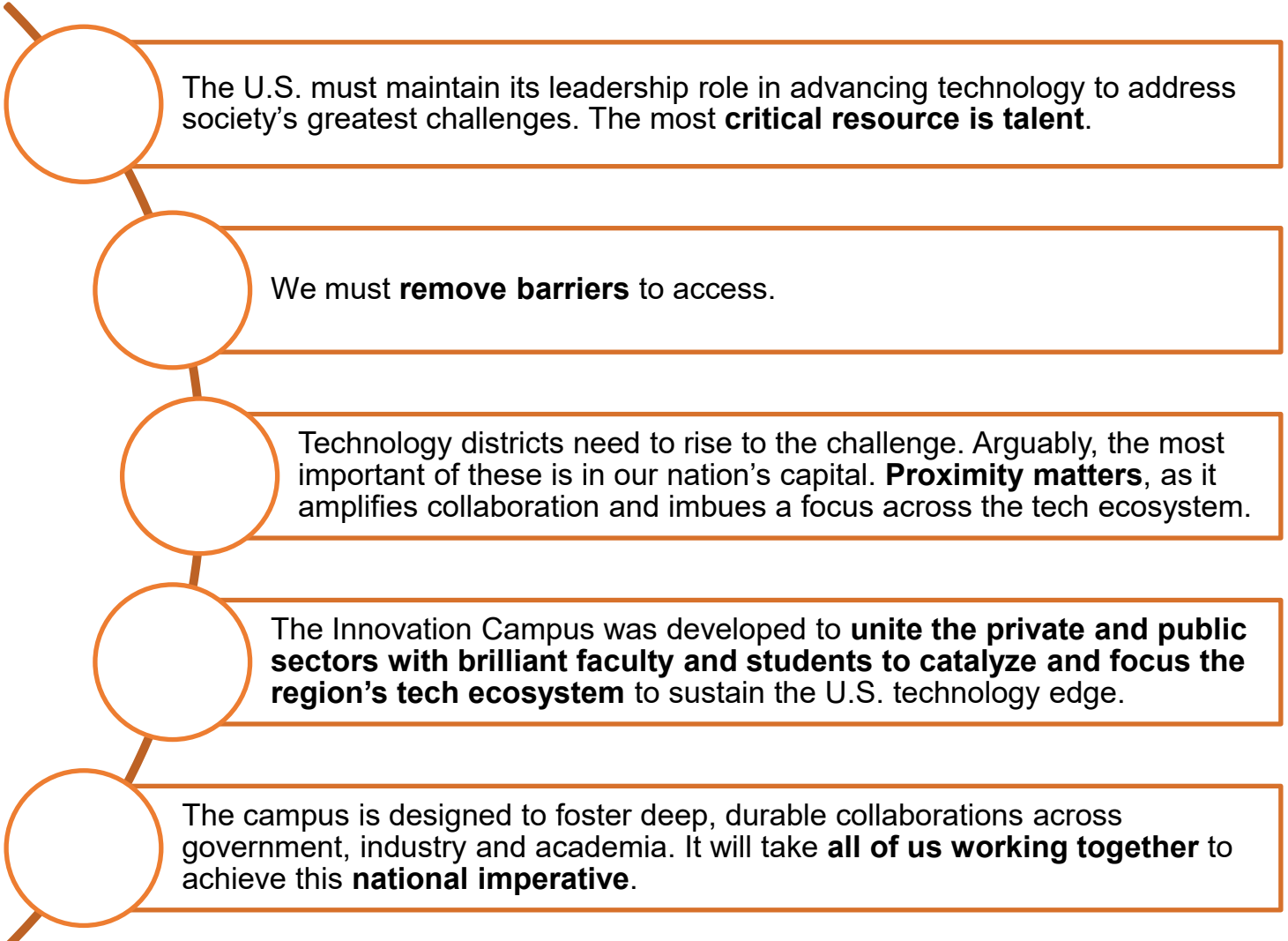


WHY?

- Amazon's search for HQ2
- In the Greater DC area, growth in technology jobs is outpacing growth in tech talent
- Even wider gap in tech fields for women and underrepresented minorities
- Tech Talent Investment Program (TTIP) is the Commonwealth's response to the problem



A NATIONAL IMPERATIVE



The U.S. must maintain its leadership role in advancing technology to address society's greatest challenges. The most **critical resource is talent**.

We must **remove barriers** to access.

Technology districts need to rise to the challenge. Arguably, the most important of these is in our nation's capital. **Proximity matters**, as it amplifies collaboration and imbues a focus across the tech ecosystem.

The Innovation Campus was developed to **unite the private and public sectors with brilliant faculty and students to catalyze and focus the region's tech ecosystem** to sustain the U.S. technology edge.

The campus is designed to foster deep, durable collaborations across government, industry and academia. It will take **all of us working together** to achieve this **national imperative**.

WHAT WILL WE DO?

Unite academia, corporations, and federal agencies to reimagine what's possible.

Connect the dots between education, invention, commercialization, and policy.

Shape the way knowledge and emerging technology influence society and drive economic growth.

Transform and sustain Northern Virginia as the next big tech hub for innovation.



OUR VISION

The Virginia Tech Innovation Campus will be ***both a place and a culture*** that unlocks the power of diverse people and ideas to solve the world's most pressing problems through technology.

A DEFINING CULTURE

- The Virginia Tech Innovation Campus will be bold – consistently and proudly.
- Faculty, administrators, and students will be connected, impactful, and goal-oriented.
- We will be an outward-facing community, determined to live up to the term “innovation” along every dimension.

COMMITMENT TO DIVERSITY AND INCLUSION

Innovation Campus will be *most diverse graduate tech program* in the country.



INSTRUCTION – A UNIQUE GRADUATE EDUCATION

- **Master of Engineering**
- Project-Based Education
- **PhD/MS in a “Use-Inspired” Environment**
- Post-Doctorate Appointments



RESEARCH - PURPOSE DRIVEN



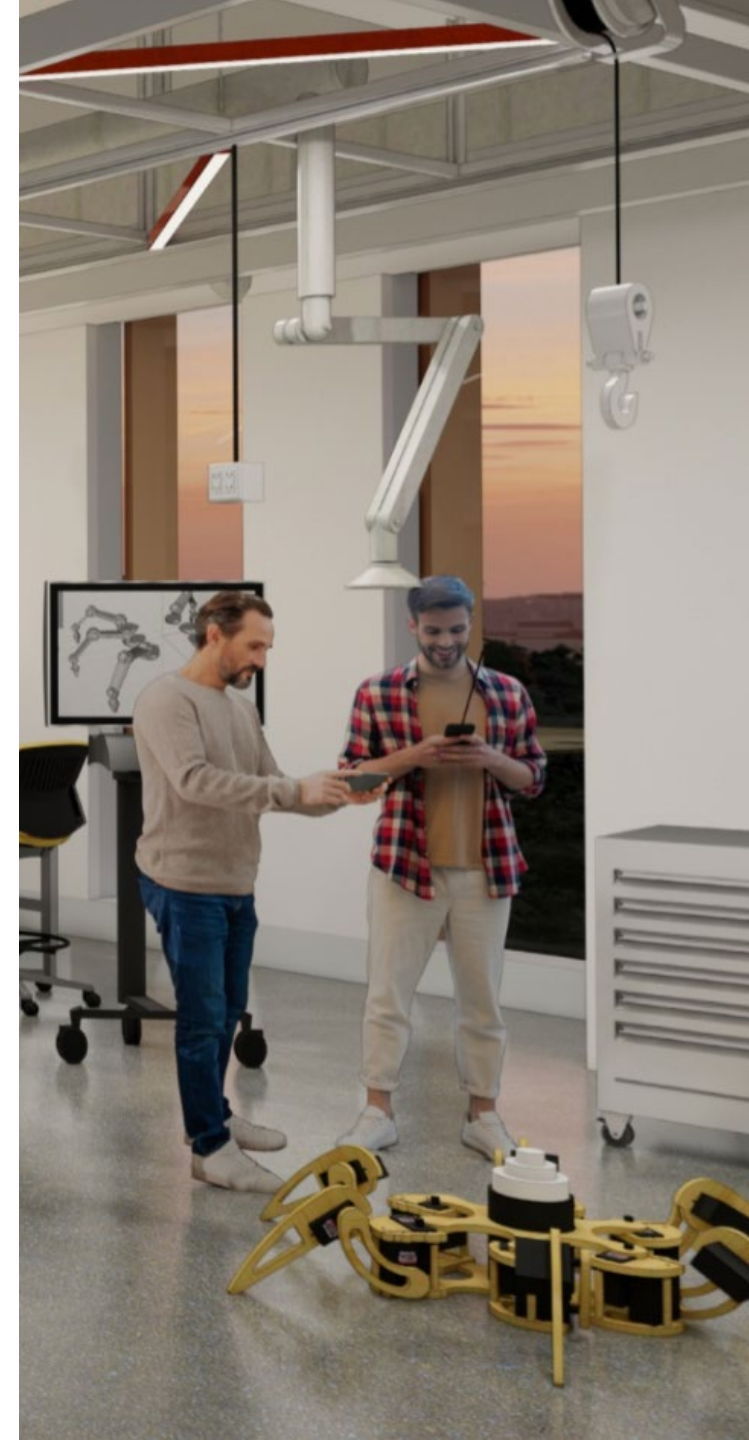
**ADVANCING THE ART
OF THE POSSIBLE**

- Cybersecurity
- Artificial Intelligence and Machine Learning
- “Next G” Wireless Communication
- Cloud/Edge computing
- Quantum Information Science and Technology (QIST)



**IMPROVING
THE HUMAN
EXPERIENCE**

- Human-Machine Frontier
- Immersive Technology (Virtual Reality, Augmented Reality)
- Technology Policy, Business & Entrepreneurship
- Human-Centered Technology Design



ENGAGEMENT – CORPORATE AND OTHER PARTNERSHIPS

Open for partnerships of all types –

- Corporate, government and non-profit engagement in topical consortia
- Engagement of employers in project-based learning curriculum and student mentoring
- Scholarships provided by major employers in the region
- Research thematic areas supported by corporate partners
- Sponsorship of research and instructional spaces in the building
- Hundreds of individual donors supporting scholarships, operations and K-12 programming

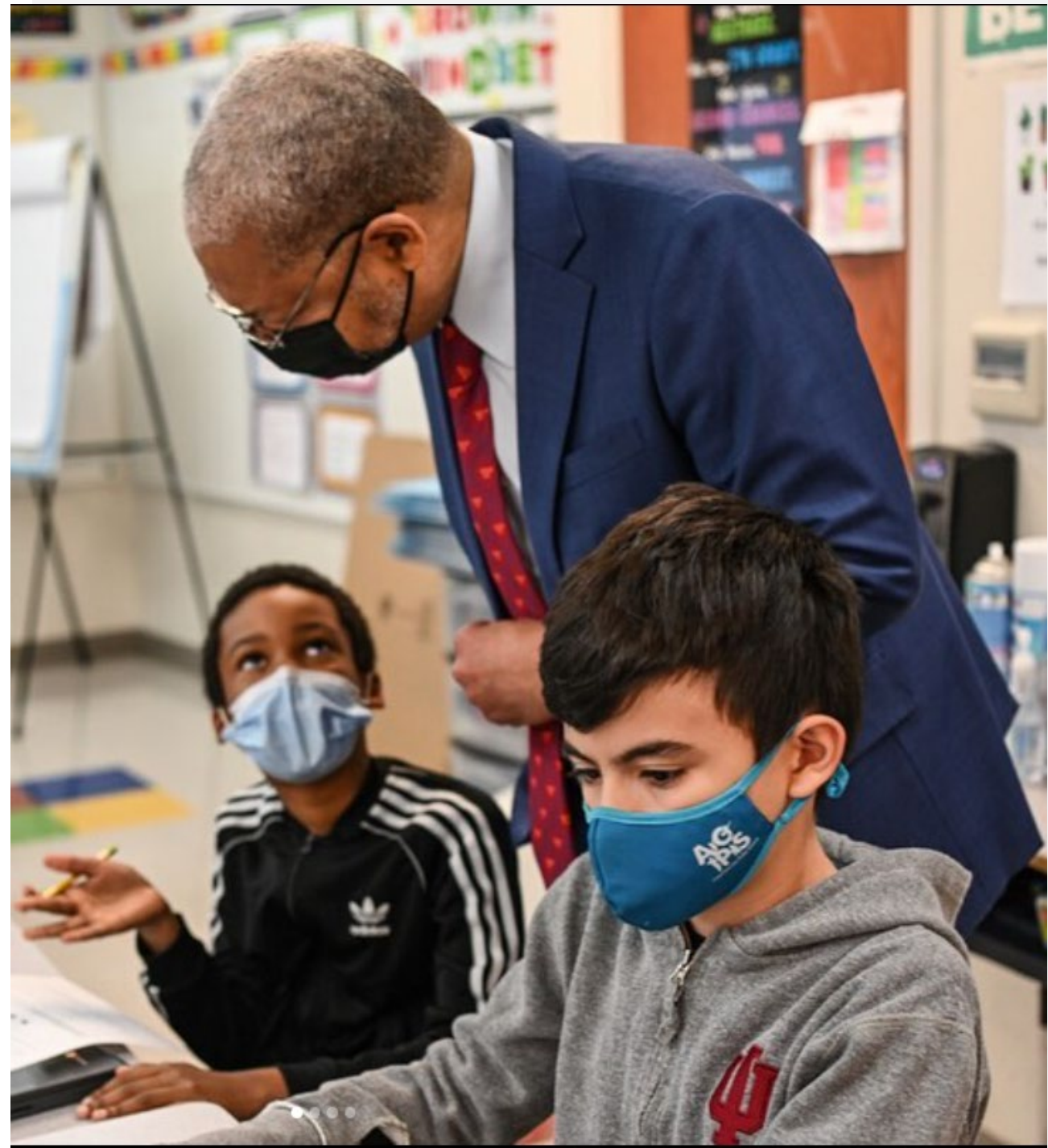


First Foundational Partner
Supporting Diversity
Scholarships and
Programming

**Supporting
Quantum Research
and Education**
New Center of
Quantum
Architecture and
Software
Development

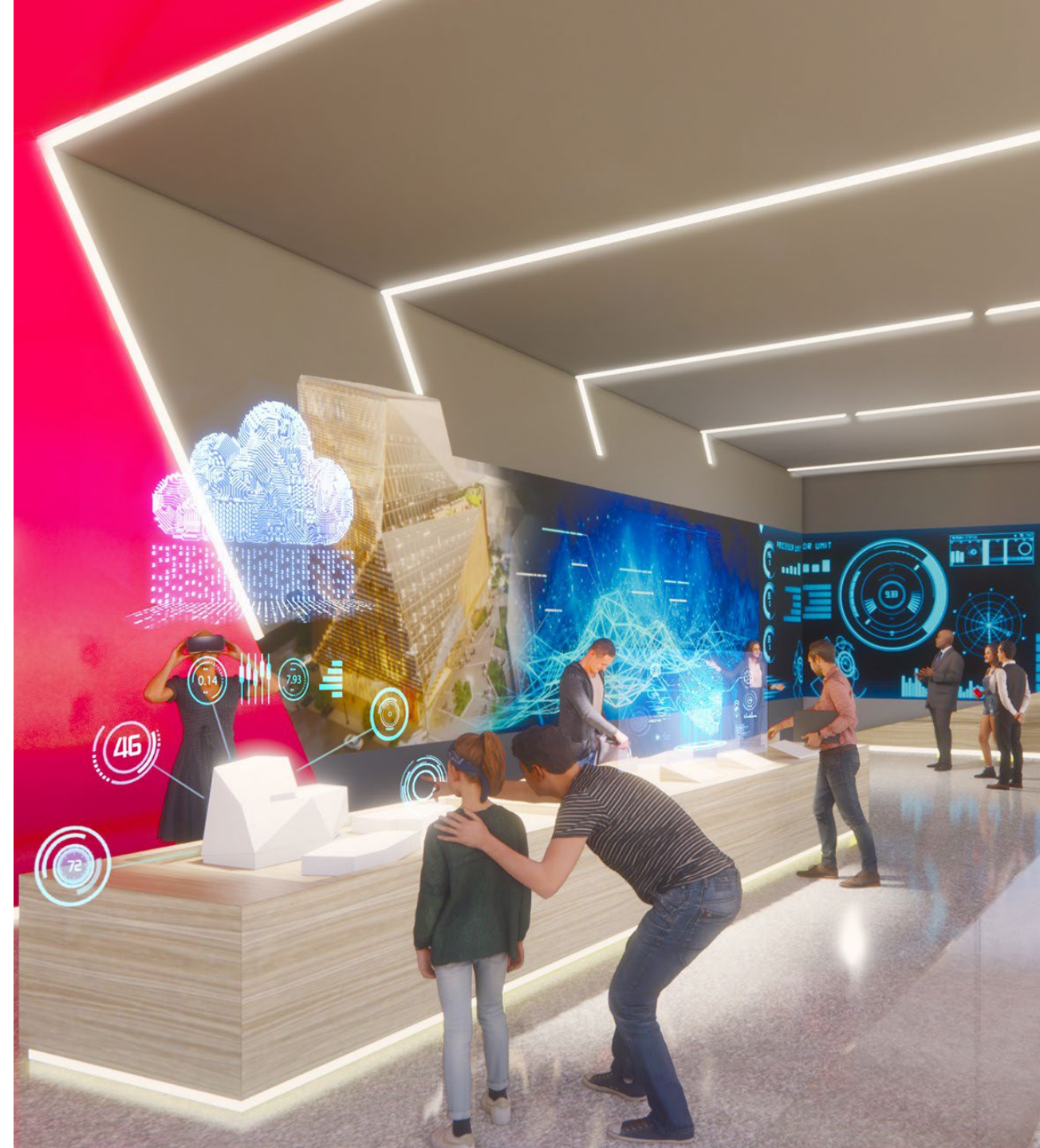
ENGAGEMENT – K-12

- Promoting computational thinking across the K-12 curriculum
- **Building on the regional success of Think-a-Bit lab in Falls Church.**
- Close partnership with Alexandria City Public Schools with plans to extend model across region.
- Supported by Boeing Gift



FULL-SERVICE CAMPUS

- A supportive environment for students from diverse backgrounds and academic pathways converge.
- “Hokie One Stop” student services for Virginia Tech students in region.
- Library and Learning Commons.
- Support for veteran and military connected students.
- Counseling, health, and wellness support.
- Career advising and career fairs.





INNOVATION CAMPUS BY THE NUMBERS

\$1 billion Anticipated district investment at buildout.

700 to 800 Master's degree students.

50 Initial top-tier tenure-line and research faculty hires.

60,000 Virginia Tech alumni living in Northern Virginia.

2,000 Increase in computer science undergraduate enrollment at the Blacksburg campus.

~300,000 Square feet of academic space and cutting-edge R&D facilities.

~250,000 Square feet of partner space dedicated to startups and corporate facilities.

CAMPUS LOCATION

3.5 acres in the North Potomac Yard innovation district in Alexandria, Virginia.

Less than a mile from Reagan National Airport.

Across the Potomac from Washington, DC.

Will be served by new “Potomac Yard—VT” Metro station.

Campus will be firmly established at the center of the area’s rising technology district.



INNOVATION CAMPUS **ACADEMIC BUILDING**

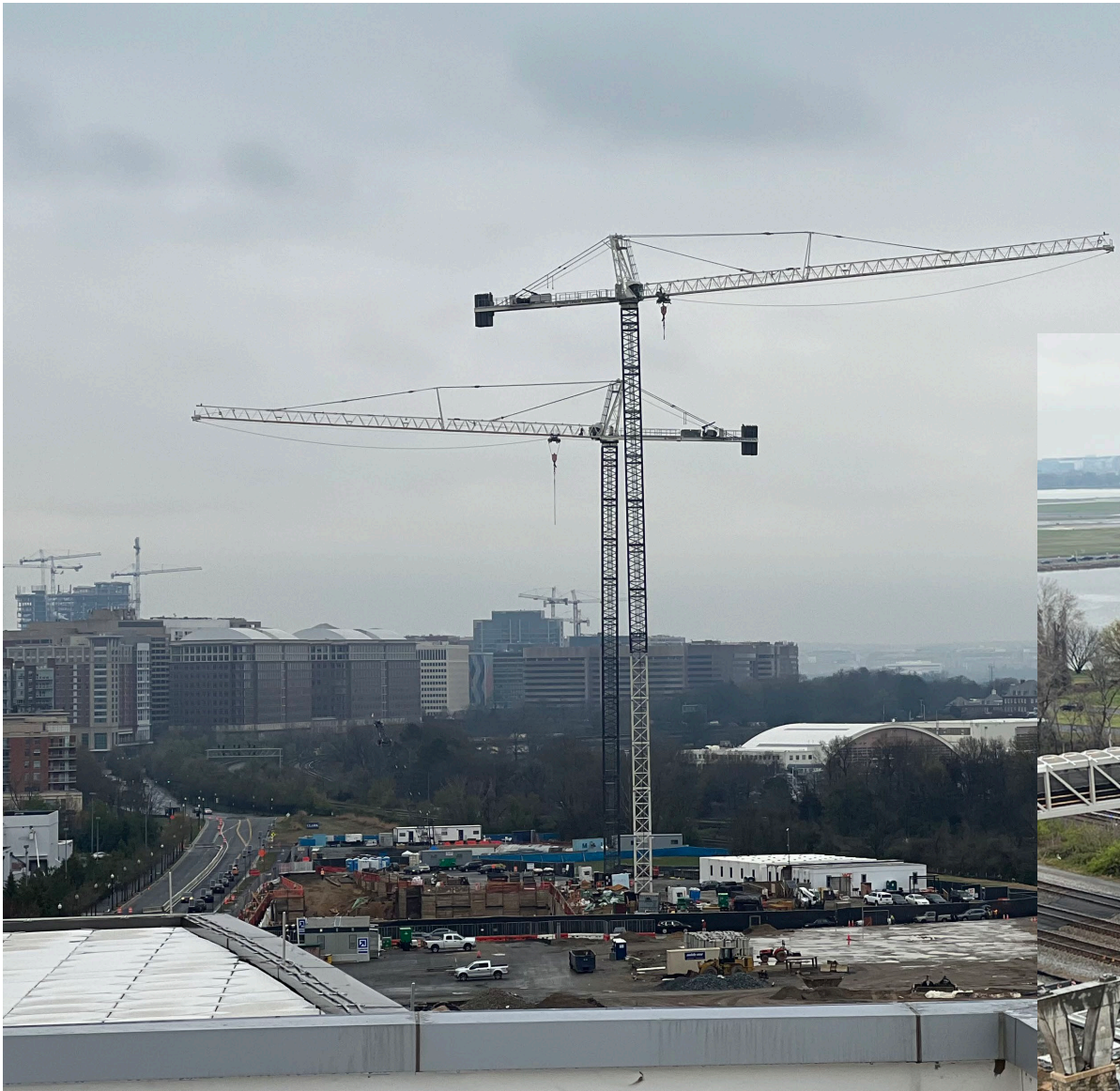
300,000 square feet for graduate instruction and research in computer science, computer engineering, and related disciplines.

Administrative space, flexible classrooms with state-of-the-art digital capabilities, cutting-edge research labs, and more.

Green space and underground parking.

Broke ground Sept 2021. Opening Fall 2024.





Potomac Yard/VT Metro Station – Opens Fall 2022

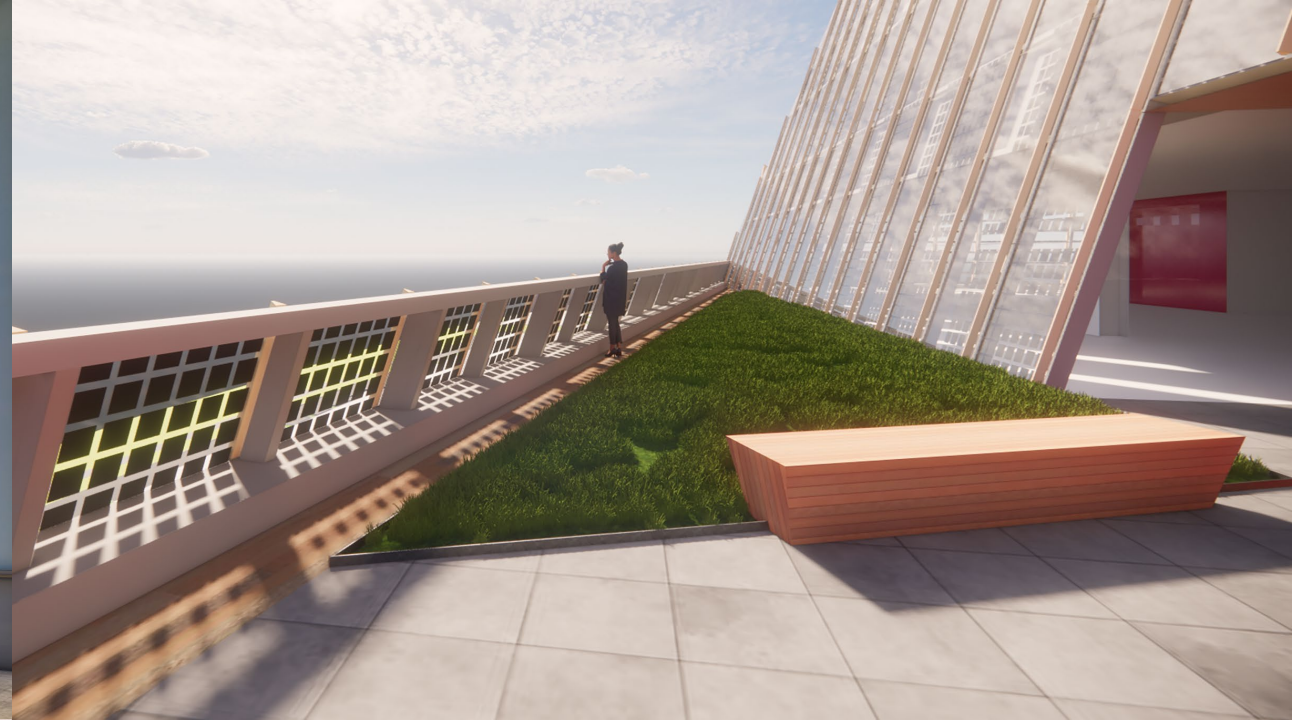


11 Stories – The tallest VT building!

Virtual Tour of New Building

<https://vr.yulio.com/VUU27WuisB>







Visit Us!

Innovation Campus HQ
3000 Potomac Avenue
Alexandria, Virginia
571-384-4839

Follow Us!

Website: vt.edu/innovationcampus
Instagram: @vt_innovationcampus
Construction Cam:
<https://app.oxblue.com/open/jbg/3575potomacave>

Thank you!

Ken Smith, Chief Operating Officer
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INNOVATION
CAMPUS