University Council Minutes
February 5, 2018
3:00 PM
1045 Pamplin Hall

Present: Tim Sands (presiding)**,** Richard Blythe, Cyril Clarke, Jennifer Hodgson for Greg Daniel, Karen DePauw, Susan Sumner for Alan Grant, Guru Ghosh, Theresa Mayer, Scott Midkiff, Robin Panneton for Sally Morton, April Myers, Kelly Oaks, Kim O'Rourke, Lee Hawthorne for Patty Perillo, Angela Hayes for Charles Phlegar, Ed Nelson for Julia Ross, Dwight Shelton, Gina French for Robert Sumichrast, Brian Mathews for Tyler Walters, Sherwood Wilson, Paul Winistorfer, Richard Ashley, Janice Austin, Jan Helge Bøhn, Kevin Edgar, John Ferris, Deyu Hu, Jen Irish, Chris Saunders, Tammie Smith, Dean Stauffer, Monty Abbas, Diane Agud, Susan Anderson, Bryan Brown Bob Hicok, David Tegarden, Lynn Abbott, Matthew Gabriele, Christopher Zobel, Judy Alford, Sue Teel for Tracey Drowne, Katrina Loan, Teresa Lyons, Erin Poff, Annette Bailey, John Massey, Glenda Scales, Alexandra Hyler, Savannah Nilson for Kase Poling, Rex Willis, Seyi Olusina, & Robert Sebek

Absent: Rosemary Blieszner, Michael Friedlander, Steve McKnight, Menah Pratt-Clarke, Lisa Wilkes, Eric Kaufman (with notice), Anita Puckett, Tom Inzana (with notice), Chris Lawrence, Mary Marchant (with notice), Yan Jiao (with notice), LaTawnya Burleson (with notice), Brian Huddleston, Jeannie Layton-Dudding, Ginai Seabron, Christine Tysor, Michele Waters Adwoa Baah-Dwomoh, Andre Stevenson, Julia Billingsley, Prateek Mishra, Avalon Roche, Peter Shaw, Brett Netto (with notice), & Hans Robinson

Guests: Lori Buchanan, D'Elia Chandler, Jack Finney, Rachel Holloway, Rachel Gabriel, & Rick Sparks

Dr. Sands called the meeting to order at 3:00 p.m. A quorum was present.

1. Adoption of Agenda

A motion was made and seconded to adopt the agenda. The motion carried.

2. Announcement of approval and posting of minutes of December 4, 2017

Dr. Sands noted that these minutes have been voted on electronically and can be publicly accessed on the Governance Information System on the Web (http://www.governance.vt.edu).

3. Commission Chair Reports

Dr. Sands asked the Commission chairs to present briefly their goals for the academic year.

1. Commission on Administrative and Professional Faculty Affairs – Ms. Janice Austin, Chair

    a. Reviewing the Telework Agreement Policy with Human Resources
    b. Increasing CAPFA visibility and awareness through shared governance
    c. Planning a university wide A/P faculty outreach project

2. Commission on Equal Opportunity and Diversity – Dr. Deyu Hu, Chair

    a. Membership training
        • University governance structure and procedure
        • COACHE survey results

b. Subcommittee Projects
- Diversity in Academic Mission:
  - o Workshop and event series on white supremacy
- Human Resource
  - o Building inclusive Human Resources programs and services
  - o Campus physical accessibility
  - o On-boarding
  - o Anti-discrimination statement review
- Governance and Recognition
  - o Principles of Community Award
  - o Resolution on the definition of a caucus
  - o Resolution to revise CEOD membership

c. Extension and outreach
- Identify entry points to other diversity groups and university units and establish partnerships with them
- Collaborate with and support other commissions on resolutions
  - o CGSP – resolution to incorporate an inclusion and diversity education component into graduate education
  - o COR – resolution to clarify Faculty Handbook language on research faculty promotion process
  - o COR – resolution to clarify Faculty Handbook language on overload compensations for research
  - o CUS & CEOD – resolution to update membership of Campus Development Committee

3. Commission on Faculty Affairs – Dr. John Ferris, Chair

   a. Discussing numerous questions concerning the Promotion and Tenure process
   b. Discussing equity in access to large-scale facilities and research proposals
   c. Discussing faculty morale, recruiting, and retention
   d. Discussing retiree health benefits for tenured faculty with the Employee Benefits Committee
   e. Discussing expectations and assessment of faculty
   f. Discussing open access policy

4. Commission on Graduate Studies and Policies – Dr. Kevin Edgar, Chair

   a. Complete and communicate the anti-academic bullying initiative
   b. Re-envisioning PhD including digital portfolio
   c. Enhancing the Virginia Tech lab safety culture
   d. Discussing diversity training requirement for graduate students
   e. Purchased anti-plagiarism software and will begin planning the rollout

5. Commission on Outreach and International Affairs – Dr. Jan Helge Bøhn, Chair

   a. Aiming to place an emphasis on elevating the importance of international advancement within the Virginia Tech community. This is paramount to building a global brand in all three of the COIA's mission areas of learning, discovery, and engagement.

6. Commission on Research – Dr. Jen Irish, Chair

   a. Drafting an Open Access Policy
   b. Revision to Policy 13005, Center and University Institutes
   c. Updates to Faculty Handbook sections regarding research faculty (three resolutions)
      • Clarification of overload compensation related to teaching
      • Clarification of research faculty promotion
      • Search requirements and removal processes
   d. Continuing work through the Committee on Research Competitiveness

7. Commission on Staff Policies and Affairs – Ms. Tammie Smith, Chair

   a. Resolution giving Human Resources the authority to oversee the process for the Career Staff Achievement Award
   b. Discussions regarding changes to the winter closing policy
   c. Discussing having an area on the staff yearly evaluations to encourages and honors those who participate in shared governance

8. Commission on Student Affairs – Mr. Chris Saunders, Chair

   a. Creating a committee to address mental health and mental health resources awareness
   b. Reviewing the structure and mission of the CSA

9. Commission on Undergraduate Studies and Policies – Dr. Dean Stauffer, Chair

   a. The Academic Policy Committee will investigate if academic policies are needed in the following:
      • Undergraduate Teaching Assistants- how they are interacting with departments, faculty members, and within the classroom
      • Reviewing a readmission policy for undergraduates
      • Reviewing of the W grade policy

10. Commission on University Support – Dr. Richard Ashley, Chair

   a. Discussing the process of submitting forms online
   b. Reviewing a resolution to change the name, charge, and membership of the Computing and Communications Resources Committee

4. Old Business

University Council
Resolution UC 2017-18A
Resolution to Amend the University Council By-Laws as Recommended by the Governance Task Force (Includes Governance Task Force Report as requested by CSA Resolution 2015-16B and CFA Resolution 2015-16D)

Mr. Robert Sebek presented the resolution for second reading and made a motion to approve. The motion was seconded. Ms. Kim O'Rourke made a motion to amend the resolution to change the language in sections B and C. The amendment to the language in section B will add "…or upon receipt of a resolution from a committee or a college." to the following sentence, "All Commissions shall consult with the four formal constituent groups at the beginning of and during the process of developing resolutions or upon receipt of a resolution from a committee or college." The amendment in section C will replace the language "Each

respective constituent group shall send its recommendation to the Commission upon conclusion of its next regularly scheduled meeting, but in all cases within four weeks…" with the following language, "Each respective constituent group shall send its recommendation to the Commission upon conclusion of the constituent group's first meeting subsequent to receipt of the resolution , but in all cases within four weeks…" The motion for the amendment was seconded. A vote was taken on the amendment and the motion passed. A vote was then taken on the resolution as amended, and the motion passed.

5. New Business

Commission on Staff Policies and Affairs
Resolution CSPA 2017-18B
Resolution to Change Authority to Manage the Staff Career Achievement Award

Ms. Tammie Smith presented this resolution for first reading. Currently there is a limit to only five awards per year. This resolution will give Human Resources the ability to manage the awards, which will allow for more than five awards. Ms. Smith indicated that there will be a be it further resolved clause added to read "Be it further resolved that any changes to the selection criteria will still be at the discretion of the Board of Visitors."

Commission on Undergraduate Studies and Policies
Resolution CUSP 2017-18D
Resolution to Approve New Degree, Bachelor of Arts in Science, Technology, and Society
Commission on Undergraduate Studies and Policies
Resolution CUSP 2017-18E
Resolution to Approve New Degree, Bachelor of Science in Science, Technology, and Society

Dr. Dean Stauffer presented the resolutions for first reading. Science, technology, and society is a growing interdisciplinary and cross-disciplinary field that brings together social sciences, humanities, and technology. These new degrees will support the VT-shaped student, and there is currently no undergraduate degree at Virginia Tech. There is a common core for both degrees. The Bachelor of Arts degree focuses on humanistic social science perspectives in science and technology. The Bachelor of Science degree focuses on technical literacy in science and technology at an advanced undergraduate level.

6. Announcement of Approval and Posting of Commission Minutes

These minutes have been voted on electronically and will be posted on the University web (http://www.governance.vt.edu). Note that the purpose of voting on Commission minutes is to accept them for filing. University Council By-laws require that policy items be brought forward in resolution form for University Council action.

- Commission on Administrative and Professional Faculty Affairs
  November 17, 2017

- Commission on Graduate Studies and Policies
  November 15, 2017
  December 6, 2017

- Commission on Outreach and International Affairs
  November 16, 2017
  December 14, 2017

- Commission on Research
  November 8, 2017

- Commission on Undergraduate Studies and Policies
  November 6, 2017
  November 27, 2017
  December 11, 2017

7. Announcement of Posting of Governance Task Force Final Report
  November 3, 2017

8. Presentation

Dr. Scott Midkiff gave a presentation (attached) on information technology initiatives.

9. For Information Only

Minutes of the University Advisory Council on Strategic Budgeting and Planning
November 16, 2017

10. Adjournment

There being no further business, a motion was made to adjourn the meeting at 4:00 p.m.

Division of
Information Technology

University Council
February 5, 2018

Scott F. Midkiff

Vice President for IT & CIO

midkiff@vt.edu

https://it.vt.edu

VIRGINIA TECH

Agenda

- About the Division of Information Technology

- **Selected highlights**
  - **Teaching and Learning**
  - **Research**
  - **Operations and Administration**
  - **User Experience**

- Proposed governance change

VIRGINIA TECH.

Division of IT Mission

The mission of Virginia Tech's Information Technology (IT) organization is to serve the university community and the citizens of the Commonwealth of Virginia by applying and integrating information resources to:

- Enhance and support **instruction, teaching and learning**;

- Participate in, support and enhance **research**;

- Foster **outreach**, develop **partnerships** with communities and promote the capabilities of advanced networking and communications; and

- **Provide, secure, and maintain systems** allowing the university to accomplish its missions.

VIRGINIA TECH

IT Strategic Plan, 2012-2018

**Supporting the mission of the university**

- Pillar 1: Enabling networked learning in the networked university
- Pillar 2: Providing competitive advantage through sustainable advanced cyberinfrastructure and collaboration
- Pillar 3: Leveraging information technology to distinguish the Virginia Tech experience
- Pillar 4: Advancing information technology for enterprise effectiveness

Positioning IT for the future

- Pillar 5: Ensuring the security and resilience of information technology resources
- Pillar 6: Improving communication with customers and partners
- Pillar 7: Strengthening the information technology organization

2012-2018 IT Strategic Plan: https://it.vt.edu/content/dam/it_vt_edu/strategic-documents/Virginia_Tech_IT_Strategic_Plan_2012-2018-v1-1-2013-06-12.pdf

VIRGINIA TECH

Division of IT Organization (1/3)
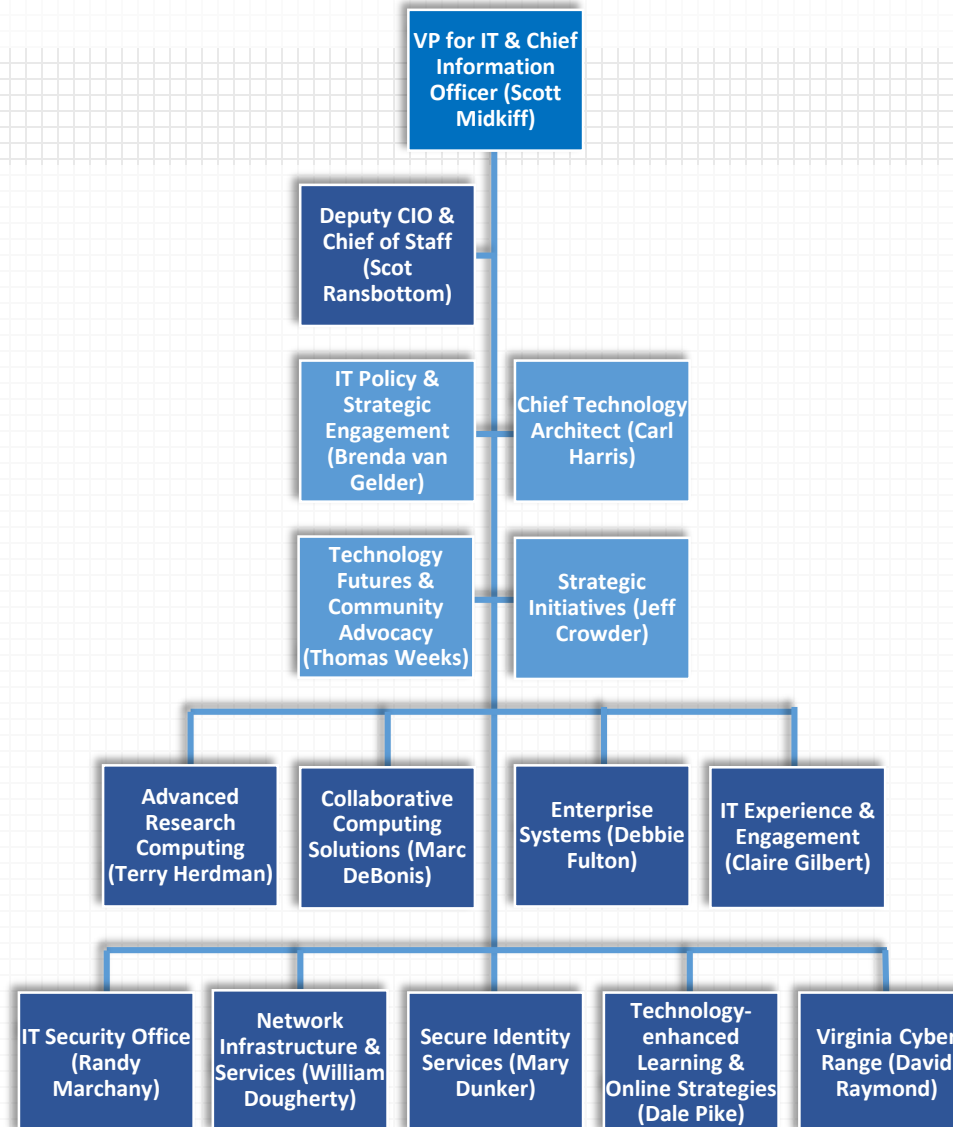
Division of IT Organization (2/3)

- **Administration & Planning (A&P):** Provides communications, facilities, financial management, IT purchasing, personnel services, and project management for the Division of IT and the university (under the Deputy CIO and Chief of Staff)

- **Advanced Research Computing (ARC):** Provides services and support for high-performance computing, large-scale storage, and advanced visualization for the university's research community

- **Collaborative Computing Solutions (CCS):** Supports customer-focused services and infrastructure for collaboration tools, Microsoft technologies, and use of public cloud

- **Enterprise Systems (ES):** Provides enterprise-level services to the university including Ellucian Banner and application information systems, information warehousing and business intelligence, document management systems, database administration, application administration and integration, and web content administration and hosting

- **IT Experience & Engagement (ITE²):** Serves as the "front door" for user support, coordinates user support activities across the Division of IT and beyond, and collaborates across the Division of IT to assess and improve user experience

- **IT Security Office (ITSO):** Provides tools and services, awareness, and guidance to help university units, faculty, staff, and students achieve a safe and secure IT environment for teaching, learning, research, outreach, and the conduct of university business (The associated IT Security Laboratory conducts and supports research and education in cybersecurity and provides students with experiential learning opportunities.)

VIRGINIA TECH

Division of IT Organization (3/3)

- **Network Infrastructure & Services (NI&S):** Provides network infrastructure for the university including wireless, Ethernet, voice services, high-data rate research connectivity, campus backbone, and wide-area networking; operates the university data center including enterprise, high-performance computing, and storage systems; collaboratively provides safety and security services; and leads special initiatives including a cellular distributed antenna system

- **Secure Identity Services (SIS):** Supports the university's online identity management and authentication processes and services to enable secure access to information resources and systems

- **Technology-enhanced Learning & Online Strategies (TLOS):** Works with programs and faculty to design effective learning experiences; provides training to enhance faculty digital fluency; explores innovation in teaching and learning using technology; and supports innovative physical and virtual learning environments for traditional, distance, and hybrid courses

- **Virginia Cyber Range:** Collaborates with Virginia universities, community colleges, and K-12 schools to make the Commonwealth of Virginia a national resource for cybersecurity education by operating a virtual environment for experiential learning, maintaining a repository of teaching resources, and building a community of practice in cybersecurity education

- **Office of the Vice President for Information Technology:** Leads the Division of IT and collaborates across the university and beyond to grow and transform the institution through technology; and provides specific support for the university's technology architecture, technology futures, IT policy, and engagement

VIRGINIA TECH.

Teaching and Learning
Repositioned InnovationSpace

1140 Torgersen Hall

Strengthens TLOS's Focus on Building Faculty Digital Fluency

Provides Venue for Collaboration and Faculty Media Needs

Expands User Experience and Design Thinking Offerings

Student Fellows Partner with Faculty on "Sandbox Projects"

Consolidates Student-Facing Media Services in Newman Library

Updated Grant Programs Help Faculty Explore New Technologies

VT Virginia Tech

Teaching and Learning
Video for Instruction

Current Usage (Annual)

>150,000 attendees/students

>40,000 meetings

>3.6 million minutes of content

>160 courses recorded

zoom

Replace Expiring Contracts for WebEx & Echo360

Deepen Integration with Canvas and Other VT systems

Allow for Asset Management & Data Collection

Provide Upgraded Video Services for All Users

Planning & Implementation

Video for Instruction Working Group Formed

Testing of Software & Hardware Options

Product Comparisons & Pilot

Purchase Decision & Contract Negotiations

Implementation & Stakeholder Communication

New Platforms Enter Production

Refine Self-Service Video Solutions

| 2016 | Spring 2017 | Fall 2017 | Nov.- Dec. 2017 | Dec. 2017 - Jan. 2018 | Jan.- May 2018 | May 2018 | Summer 2018 & Beyond |

RFP

Analysis of Needs & Report

Current Contracts Expire June 2018

VIRGINIA TECH

Teaching and Learning
Virginia Cyber Range

Courseware Repository

Courses, modules, and exercises for use in Virginia high school, community college, and university cybersecurity curricula

Exercise Area

Isolated network environments where students can safely complete hands-on cybersecurity exercises and competitions

Community of Purpose

Encouraging a community of cybersecurity educators to share best practices and improve cyber education in Virginia

- 85 Virginia Cyber Range courses supported this year
  - 55 courses at 40 Virginia high schools
  - 17 courses at 6 community colleges
  - 13 courses at 7 universities
- Over 500 student and instructor accounts
- Executive committee partners: Virginia NSA Centers of Academic Excellence in Cybersecurity Education

◦ Danville CC	◦ Norfolk State
◦ George Mason University	◦ Northern Virginia CC
◦ James Madison University	◦ Radford University
◦ Longwood University	◦ Thomas Nelson CC
◦ Lord Fairfax CC	◦ Tidewater CC

VIRGINIA TECH

Research
Advanced Research Computing

- **Open access to high-performance computing systems and storage**
  - BlueRidge
  - NewRiver
  - DragonsTooth
  - Cascades
  - Huckleberry

- **Investment Computing Program**
 - Joint investment for priority access for participating researchers

Huckleberry cluster for deep machine learning

VIRGINIA TECH.

Research
Research Security and Compliance

- Security and compliance are increasingly important for all of our data, but research data is on the front edge

- IT and Research are collaborating to address the full scope of compliance needs for data associated with sponsored programs and non-sponsored research

- The Division of IT can provide:
    - Security and data compliance consultation
    - Security reviews
   - Compliant environments as solutions

VIRGINIA TECH
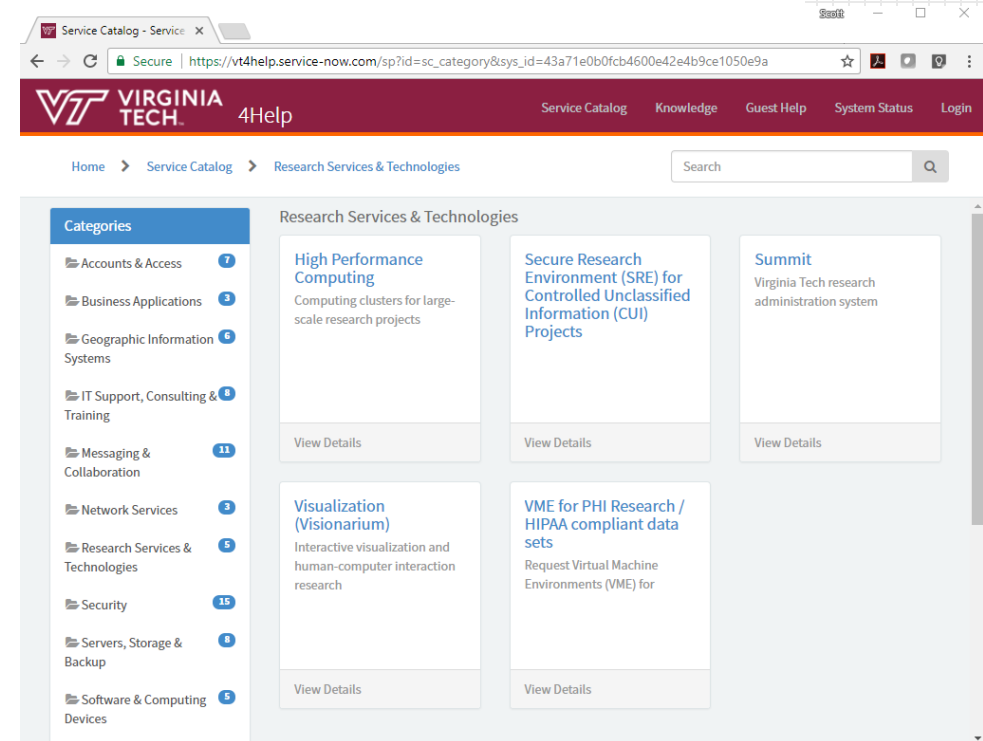
Research
VT-RNet: High Data-Rate Research Network

- VT-RNet provides 10-Gbps network connections to dramatically reduce times for large data transfers

- 21 connections in 10 buildings to date

- Request for proposal process used to select locations

- Funded through an NSF grant (Award 1541338) plus Division of IT
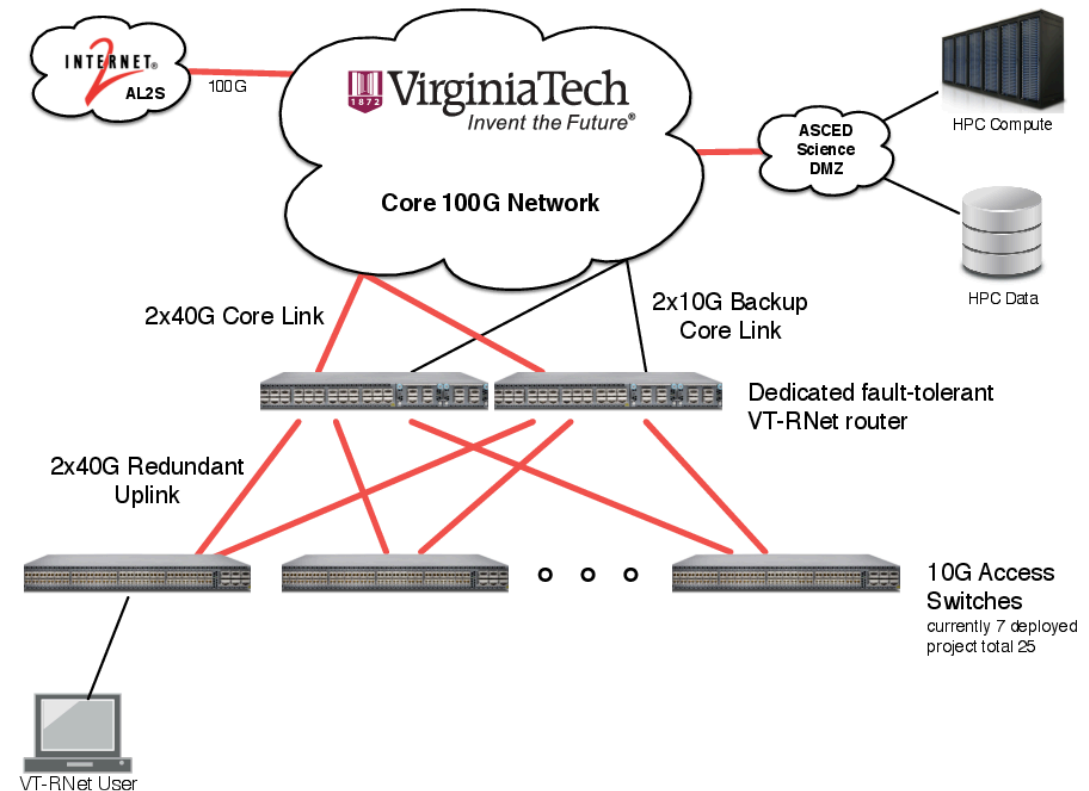
Research
Mid-Atlantic Research Infrastructure Alliance (MARIA)

- Virginia universities collaborate for competitive advantages for research

- Shared cyberinfrastructure resources and expertise
  - Statewide network partnership with MBC
 - Private optical networks
  - Research Computing Technical Committee

- Research and Education Exchanges in DC and Atlanta
  - Access to Internet2, national and international research networks
  - Direct peering with content and cloud service providers
  - Low-cost commodity services

MARIA Member/Affiliate

Research and Education Exchange
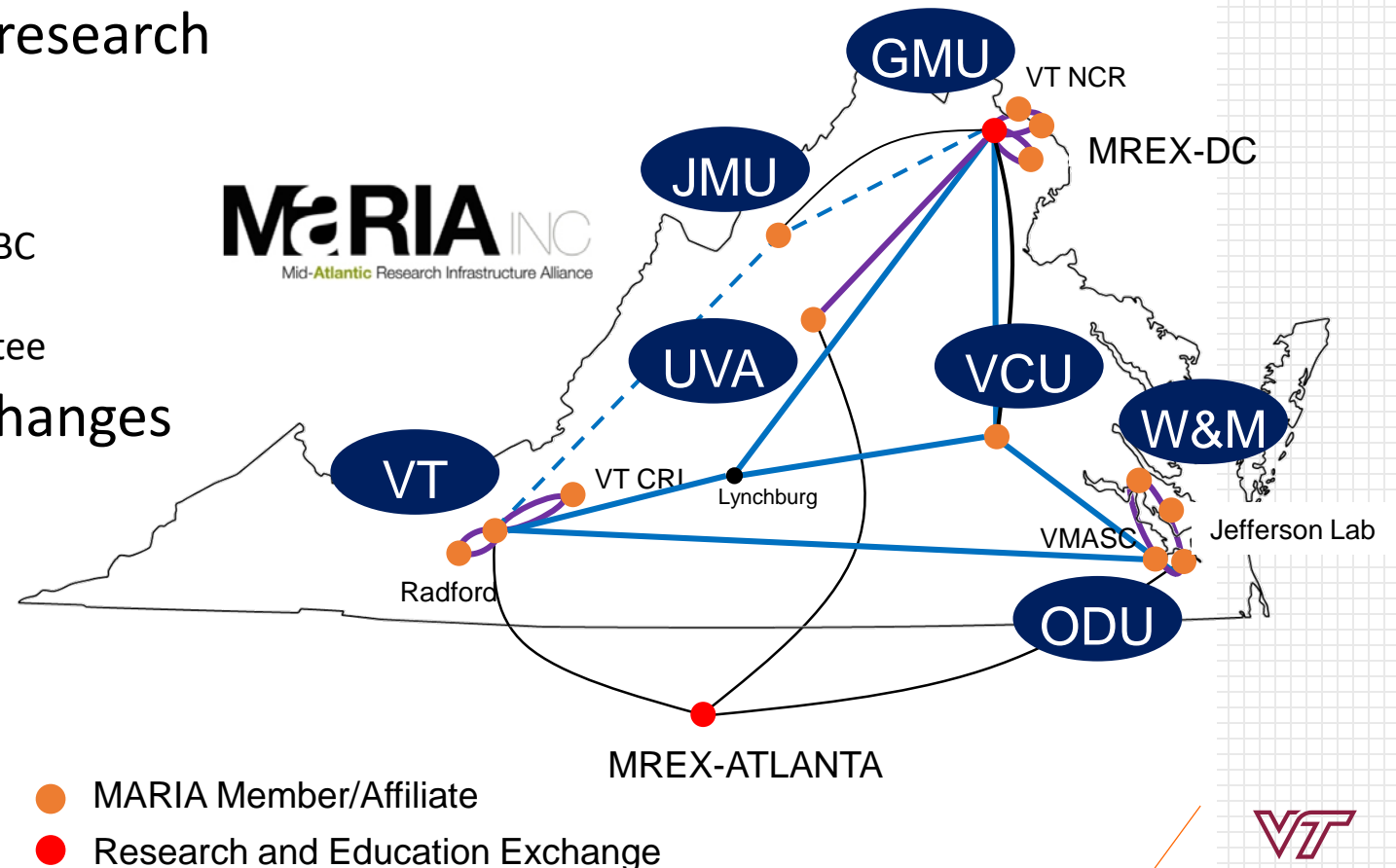
Operations and Administration
Banner 9 Transition: Administrative Pages
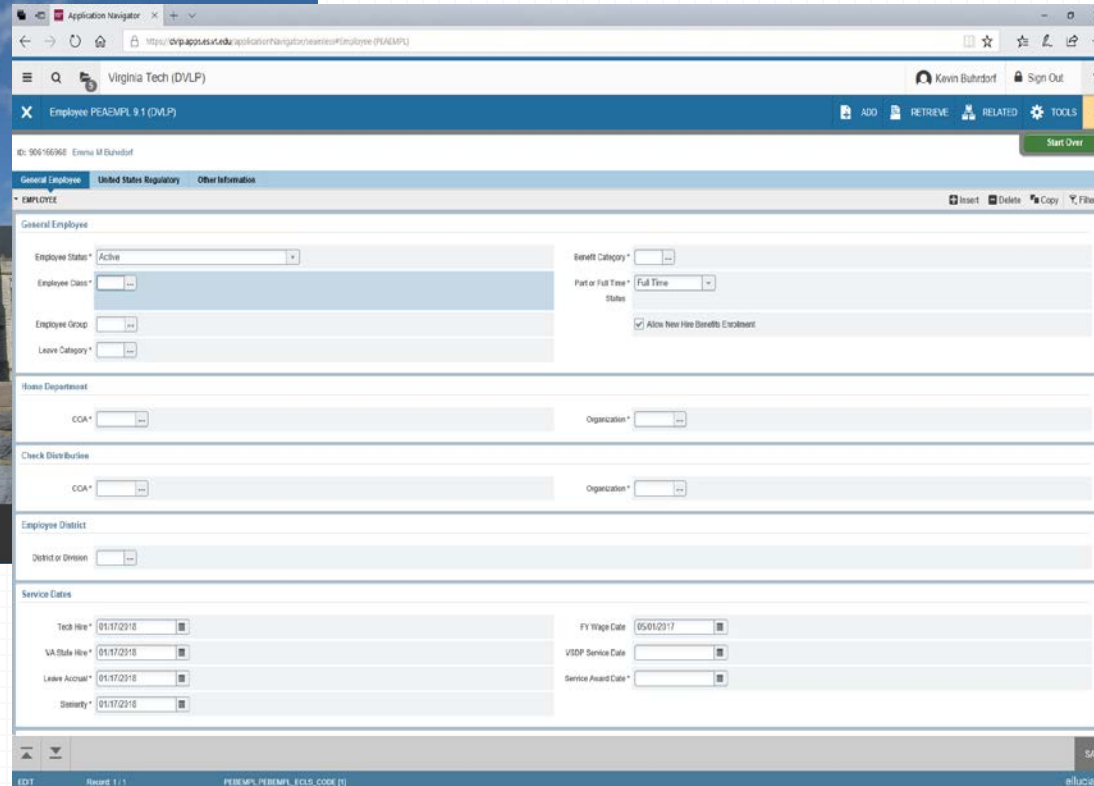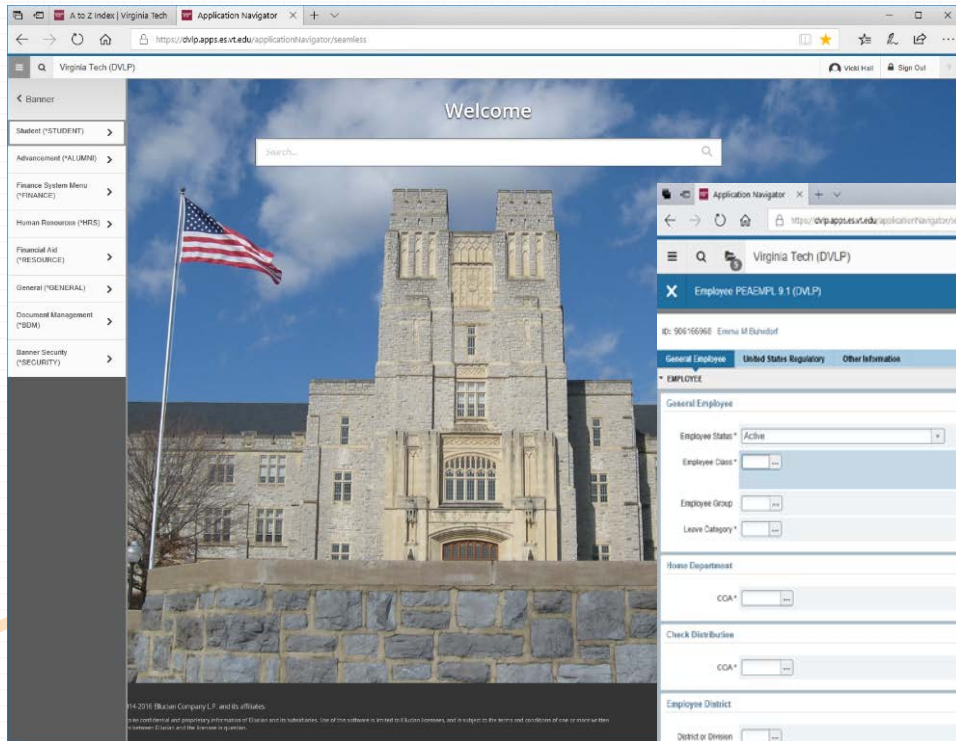
Operations and Administration
Banner 9 Transition: Web Applications

Employee Self-Service
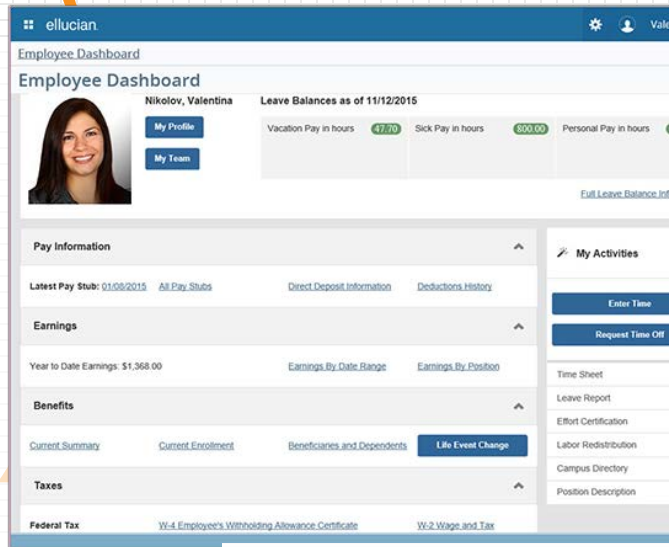
Finance Self-Service
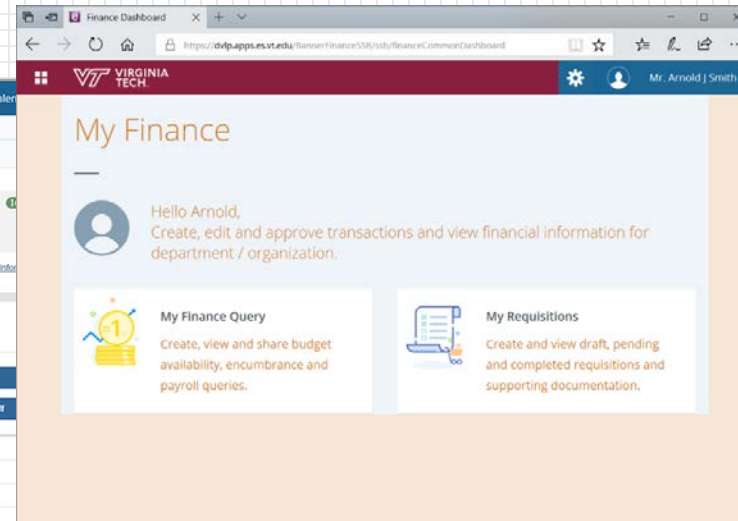
Ethos Analytics for Student
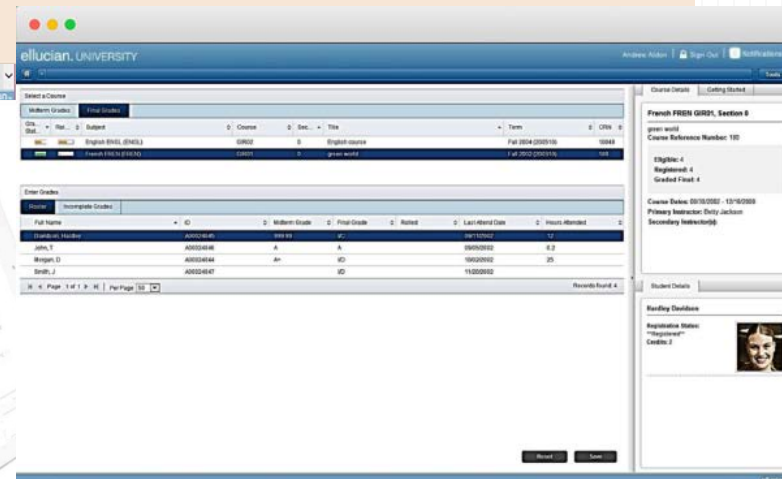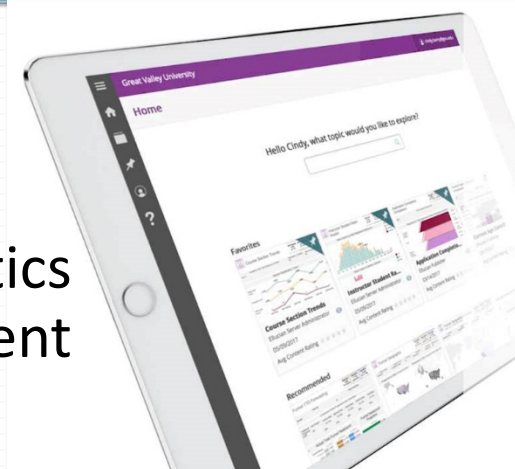
**Faculty Grading Tool**

Virginia Tech

# Operations and Administration
Blackbaud (Advancement)

Operations and Administration
Summit Research Administration System

User Experience
Making it easer to find and access services

OneCampus (onecampus.vt.edu)
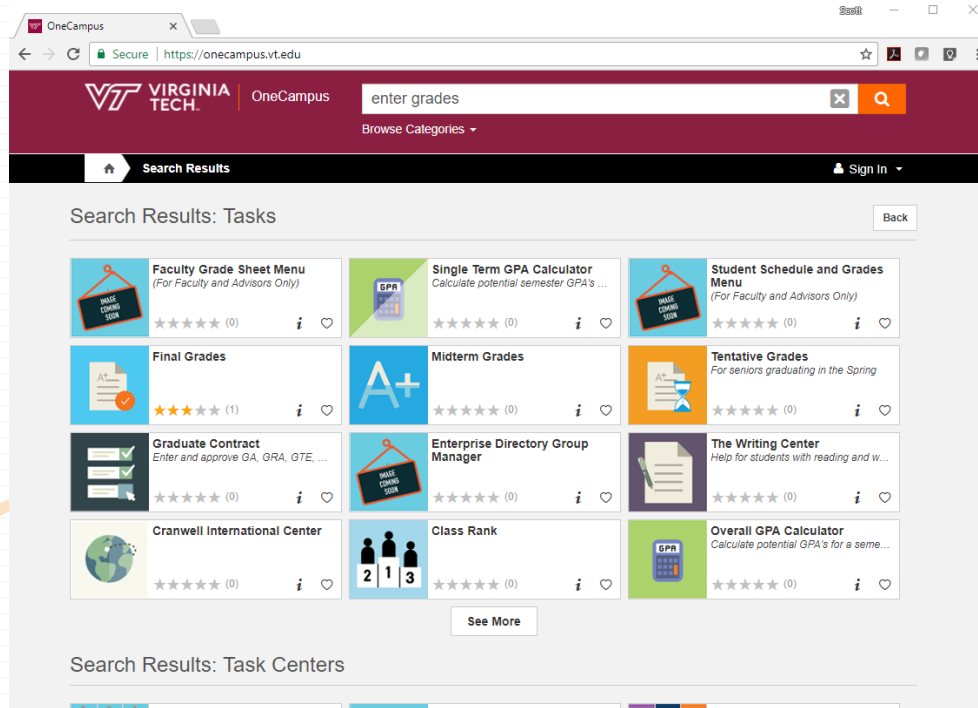
Service Catalog (4help.vt.edu)
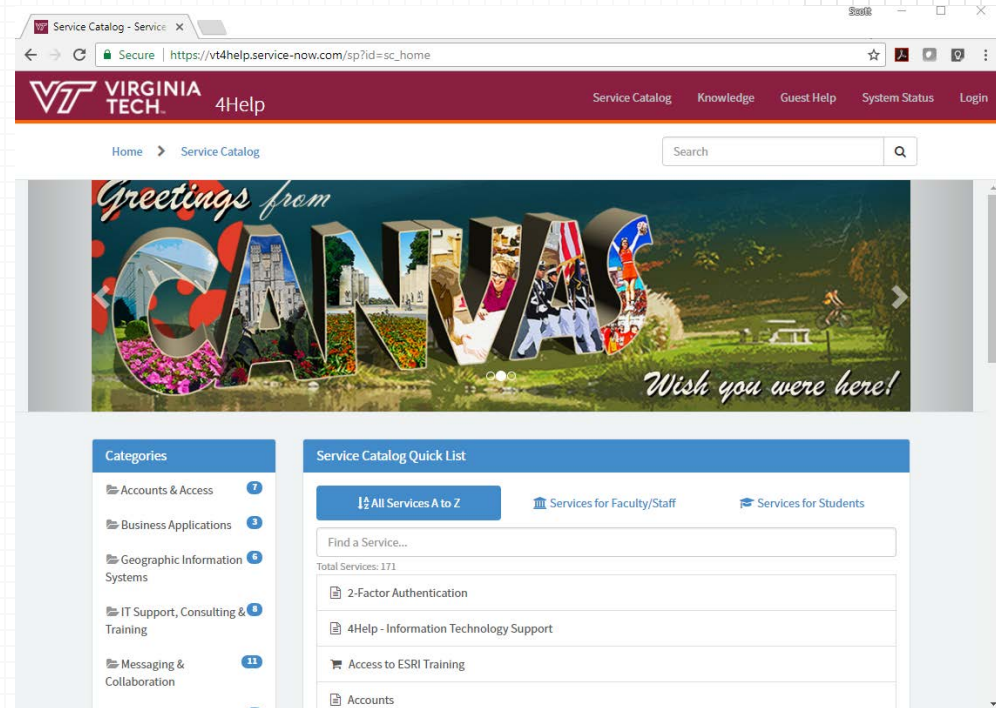
User Experience
Service partnerships

- Service partnerships provide a more seamless support experience for users
- ServiceNow enables coordination between local IT support and enterprise (Division of IT) support
- Participants to date
  - College of Agriculture and Life Sciences
  - President's Office (BAMS)
  - Graduate School
  - Libraries
  - Mining and Materials Engineering
  - College of Veterinary Medicine
  - Office of Assessment and Evaluation
  - Office of the Vice President for Research and Innovation
  - Pamplin College of Business
  - Office of the Provost
  - VTC School of Medicine

VIRGINIA TECH

User Experience
Two-factor authentication
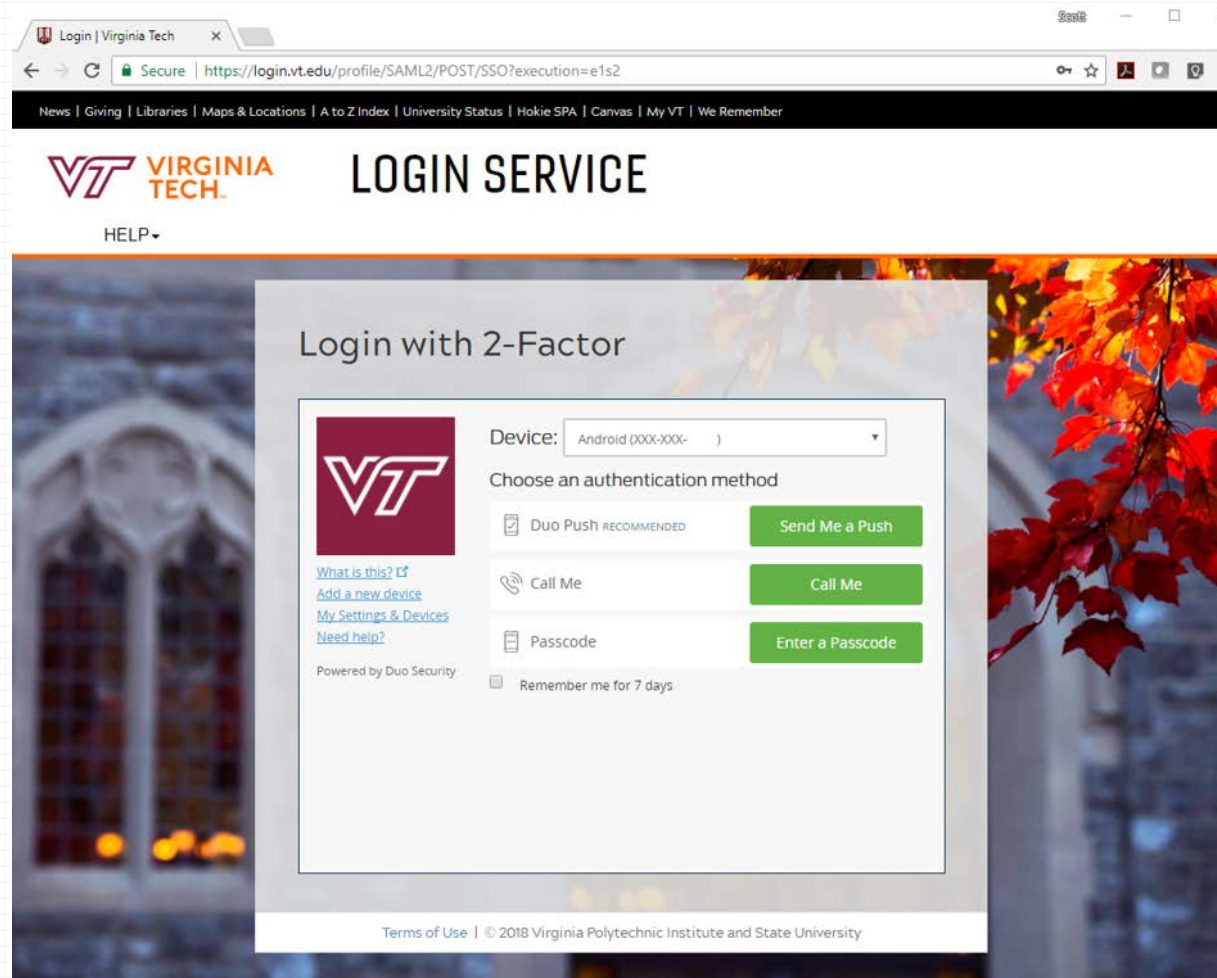
User Experience
Outdoor Wi-Fi
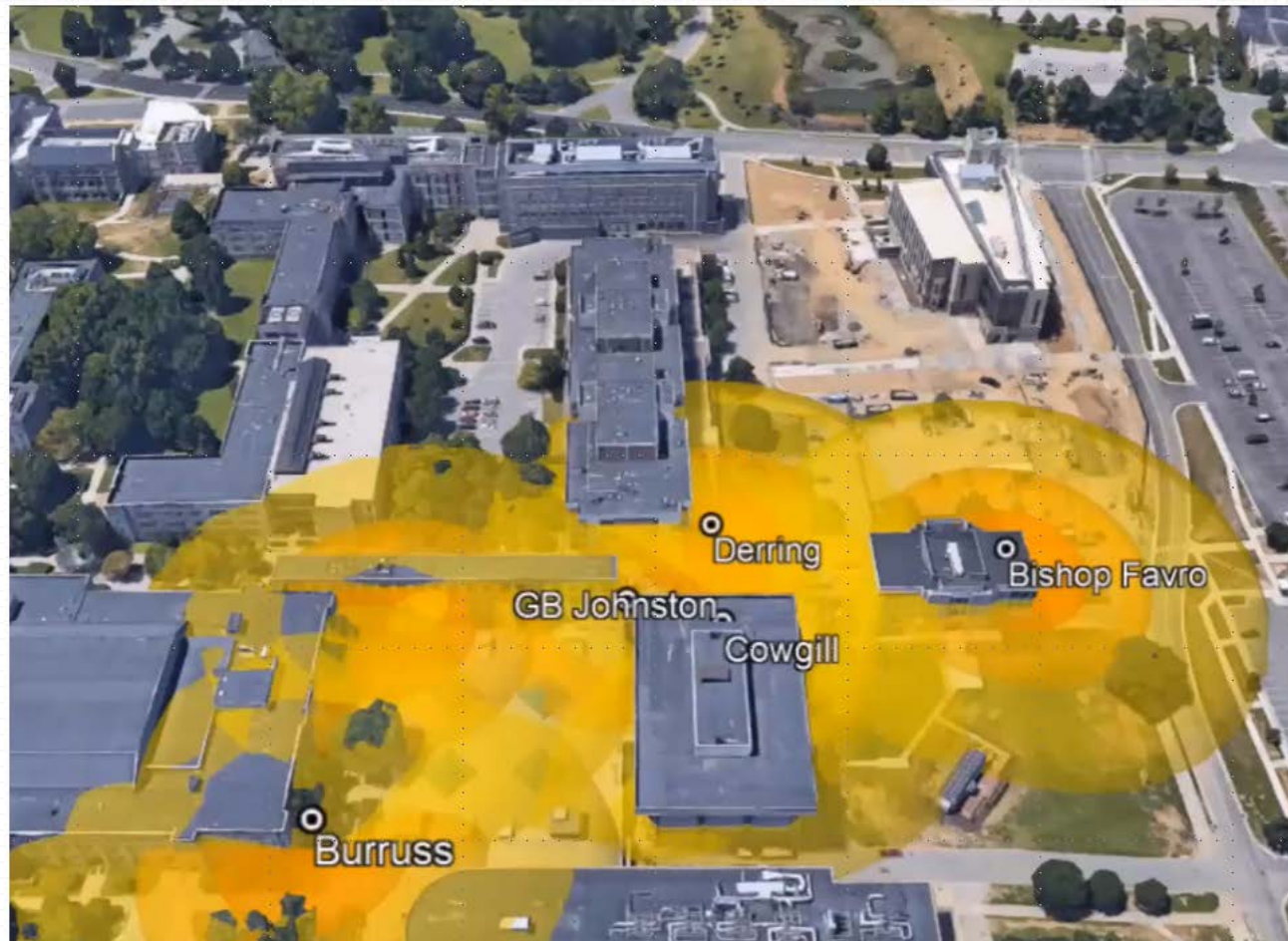
Proposed IT Services & Systems Committee

- The Computing and Communications Resources Committee has been dormant for many years, being replaced by several advisory committees for the Division of IT

- Proposed to be replace by the IT Services and Systems Committee
  - Reports to Commission on University Support
  - Four themes, each with a subcommittee:
    - 1) Teaching and learning;
    - 2) Research computing and research support
    - 3) Administrative systems and business intelligence
    - 4) network infrastructure, IT services, identity and access management, security and user support

VIRGINIA TECH.

1. <u>Adoption of Agenda</u>   Dr. Timothy Sands

2. <u>Announcement of approval and posting of minutes of December 4, 2017</u>   Dr. Timothy Sands

    These minutes have been voted on electronically and will be posted on the
    University web.

3. Reports from Commission Chairs   Dr. Timothy Sands

    *   Commission Chair Briefings
        o   Commission on Administrative and Professional Faculty Affairs   Ms. Janice Austin
        o   Commission on Equal Opportunity and Diversity   Dr. Deyu Hu
        o   Commission on Faculty Affairs   Dr. John Ferris
        o   Commission on Graduate Studies and Policies   Dr. Kevin Edgar
        o   Commission on Outreach and International Affairs   Dr. Jan Helge Bøhn
        o   Commission on Research   Dr. Jen Irish
        o   Commission on Staff Policies and Affairs   Ms. Tammie Smith
        o   Commission on Student Affairs   Mr. Chris Saunders
        o   Commission on Undergraduate Studies and Policies   Dr. Dean Stauffer
        o   Commission on University Support   Dr. Richard Ashley

4. <u>Old Business</u>   Dr. Timothy Sands

    University Council   Mr. Robert Sebek
    <u>**Resolution UC 2017-18A**</u>
    Resolution to Amend the University Council By-Laws as Recommended by the Governance Task
    Force (Includes Governance Task Force report as requested by CSA Resolution 2015-16B &
    CFA Resolution 2015-16D.)

5. <u>New Business</u>   Dr. Timothy Sands

    Commission on Staff Policies and Affairs   Ms. Tammie Smith
    <u>**Resolution CSPA 2017-18B**</u>
    Resolution to Change Authority to Manage the Staff Career Achievement Award

    Commission on Undergraduate Studies and Policies   Dr. Dean Stauffer
    <u>**Resolution UC 2017-18D**</u>
    Resolution to Approve New Degree, Bachelor of Arts in Science, Technology, and Society

    Commission on Undergraduate Studies and Policies   Dr. Dean Stauffer
    <u>**Resolution UC 2017-18E**</u>
    Resolution to Approve New Degree, Bachelor of Science in Science, Technology, and Society

5. <u>Announcement of acceptance and posting of Commission Minutes and Governance Task</u>   Dr. Timothy Sands
    <u>Force Report</u>
    These minutes have been accepted for filing by electronic vote and will be posted on the
    University web. Note that the purpose of voting on Commission minutes is to accept them for
    filing. University Council By-laws require that policy items be brought forward in resolution form
    for University Council action.

    Commission on Administrative and Professional Faculty Affairs

    <u>November 8, 2017</u>

Commission on Faculty Affairs

November 17, 2017

Commission on Graduate Studies and Policies

November 15, 2017

December 6, 2017

Commission on Outreach and International Affairs

November 16, 2017

December 14, 2017

Commission on Research

November 8, 2017

Commission on Undergraduate Studies and Policies

November 6, 2017

November 27, 2017

December 11, 2017

Governance Task Force Final Report (November 3, 2017)

6. **Presentation**   **Dr. Scott Midkiff**
   Information Technology Initiatives

7. **For Information Only**   **Dr. Timothy Sands**

   Minutes of the University Advisory Council on Strategic Budgeting and Planning
   November 16, 2017

8. **Adjournment**   **Dr. Timothy Sands**