

IOWA STATE UNIVERSITY™

Professional and Scientific Council

General Council Meeting

November 3, 2021, 2:10 – 4:00 p.m.

South Ballroom, Memorial Union

Welcome!

**Please be sure you have signed in with the sheets at the entrance and
have picked up your name placard.**

Mask wearing is encouraged.

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Professional and Scientific Council

- Call to Order & Seating of Substitutes
- Establish Quorum
- Approval of the Agenda
- Approval of the Minutes

October 7, 2021 general council meeting minutes

IOWA STATE UNIVERSITY™

Professional and Scientific Council

Administrative Reports

Kristi Darr

Vice President For University Human Resources

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Professional and Scientific Council

Administrative Reports

Peter Dorhout

Vice President for Research

Peter K. Dorhout Vice President for Research

Professional & Scientific Council
November 2, 2021



- Safety moment
- Vision for the OVPR and our leadership team
- Celebrate recent successes
- What's over the horizon?

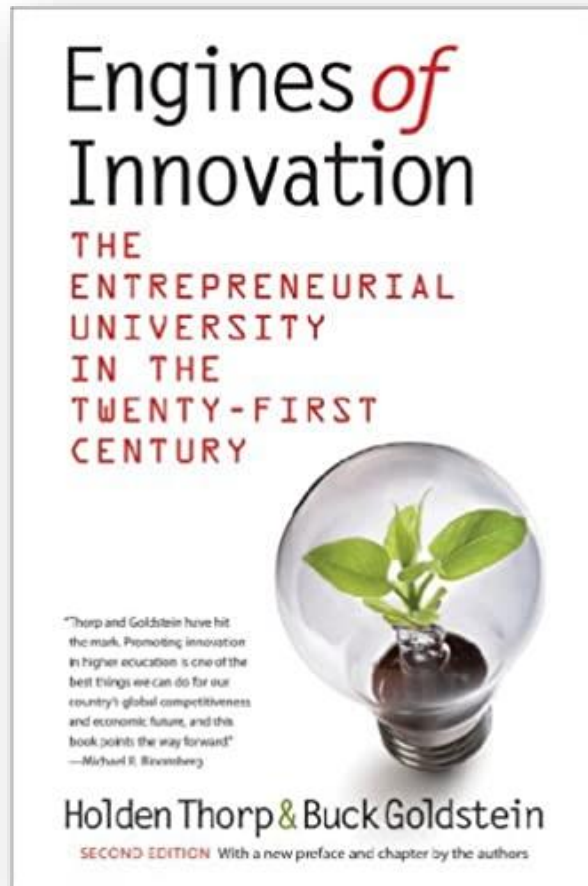


Photo: Doug Kerr via *Flickr*

Vision for the VPR at Iowa State

- Support challenging and world-class student and faculty research environments that apply and share knowledge and address societal challenges to make Iowa and the world a better place
- Provide educational leadership for comprehensive student, faculty, and staff training in safe, effective, and ethical research practices and promote a rich and diverse research culture that is welcoming to all
- Manage and develop investments, strategies, and business models for research development and support the success of research centers, institutes, Ames Laboratory, and other partners
- Display servant leadership and partnership in facilitating technology transfer, corporate relations, and economic development and engagement
- Facilitate key collaborative, interdisciplinary partnerships with faculty, staff, departments, colleges, and special units

Renewed call to action

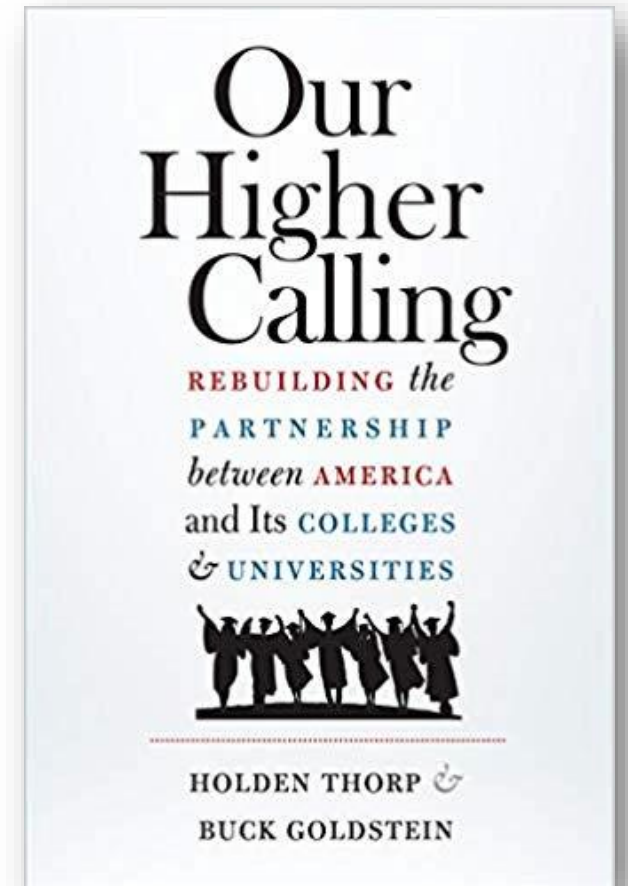


2010

“Big problems require new approaches to problem solving: ... disciplined mind, ... synthesizing mind, ... creating mind, ... respectful mind, and the ... ethical mind.”

“Team building and engagement are critical to success. Multiple disciplines & communities must be engaged.”

“Partnership with the community is essential.”



2018

Iowa State Research

- Foundation of excellence in research & development
 - \$368 M expenditures in 2020 (last HERD report)
 - Four years of >\$50 M from industry partners
 - Award-winning year: 6 AAAS Fellows, 14 NSF Career, Am. Acad. A&S, 2 NAI, NEH, Am. Acad. Poets, Am. Council Learned Soc., Carnegie, Sloan, MacArthur
- Top 100 world-wide universities for patents generated, 2020
 - #65 in the world: <https://academyofinventors.org/wp-content/uploads/2021/06/NAI-IPO-Top-100-Universities-Granted-U.S.-Utility-Patents-2020.pdf>
- National leader in Innovation & Entrepreneurship
 - Assoc. Public & Land-grant Universities IEP Innovation Award, 2020
 - US Admin. For Small Business & Entrepreneurship Award, 2021



ISU Research Portfolio

Grand Challenge Research Themes

“Build a mosaic versus a monolith.” – V. Coleman, CSO at USAF

- Enabling healthy lives (plants, animals, people, communities)
- Building sustainable human and natural ecosystems
- Creating next generation materials and manufacturing technologies
- Enabling data driven discovery and secure cybersystems
- Developing global citizens and vibrant societies



Bioscience Platforms

Biobased products



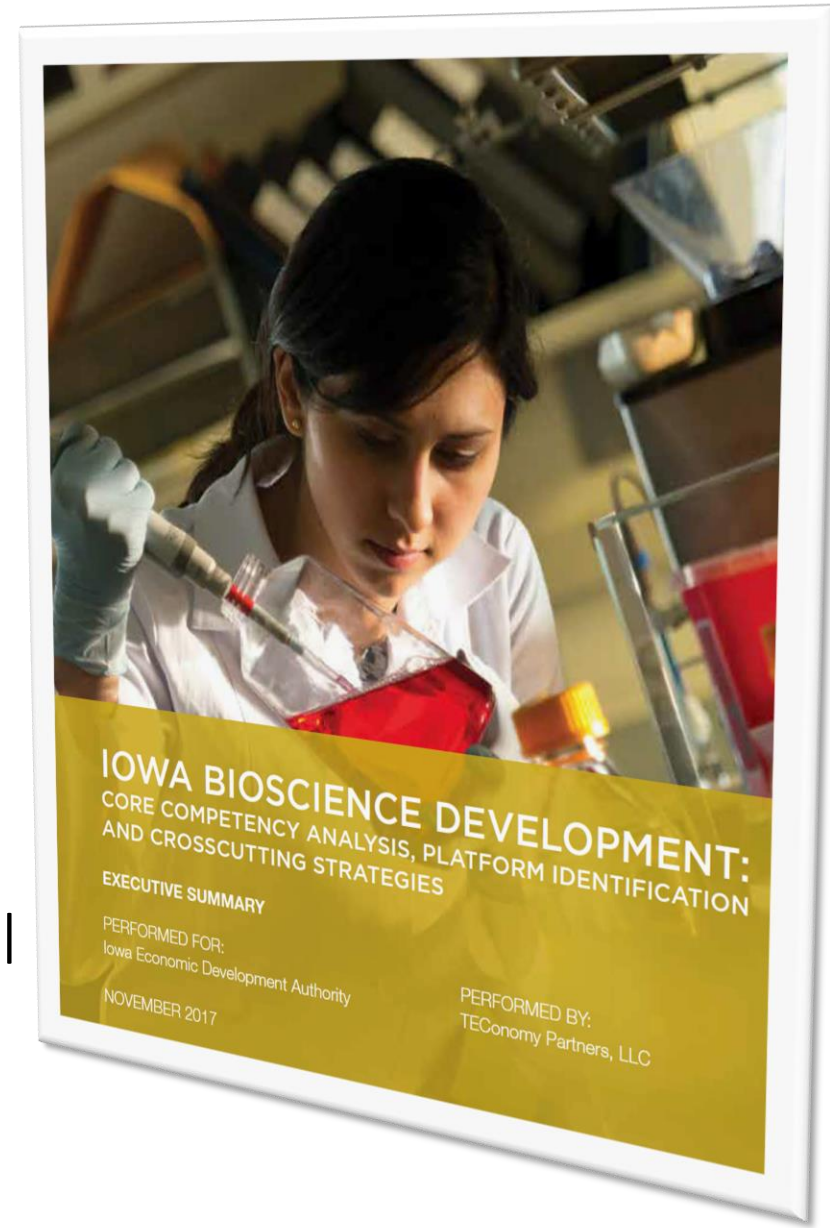
Digital and precision agriculture



Vaccines and immunotherapeutics



To accelerate translation of discoveries to commercial products by building the partnerships and leveraging strengths



Over the Horizon

- U.S. Innovation & Competitiveness Act (Senate)
- NSF of the Future (House)
- Agriculture Reconciliation Bill
- Infrastructure Bill
- Dept. of Commerce – Build Back Better Regional Challenge



Build Back Better Regional Challenge Grant



Food and Agriculture Innovation & Resilience (FAIR)

Inform

Private Sector:
Cooperatives, commodity groups, corporations, and entrepreneurs

Consult

Partners: Councils of government, association of communities, Iowa Economic Development Authority

Empower

Outcomes: Increased resilience, sustainable future

Involve

Engagement: Capacity development, technical assistance, knowledge-sharing, industry leadership

Collaborate

Coalition Portfolio: (1) FAIR Centers (2) Model Farm (3) Food Systems (4) Biobased Products (5) Business Cultivator (6) Workforce Transformation (7) Manufacturing/Supply Chain (8) Core Facility

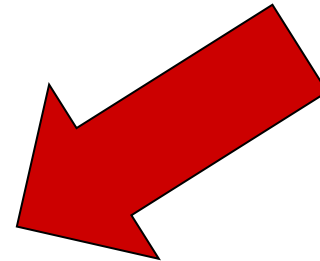
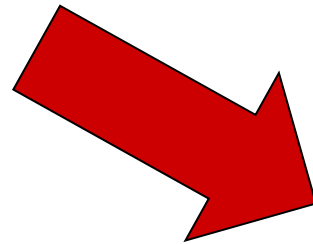


Innovation & Entrepreneurship

Brings jobs and capital to Iowa

Faculty
Staff
Students
Collaborators
Community
Extension

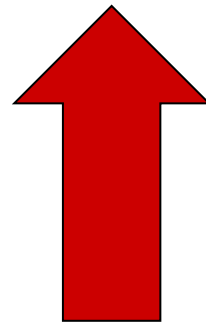
Talent



Place

Ames
Facilities
Programs
Ames Lab
Research Park
Student Innovation Center

To have impact through innovation...



Research

...create a University and community of systematic change-making.

Administrative Reports

Rich Tener

Chief Information Security Officer, IT Security Services and Policies

How to Avoid Getting Ransomware

Rich Tener

Chief Information Security Officer

security@iastate.edu

What is Ransomware?

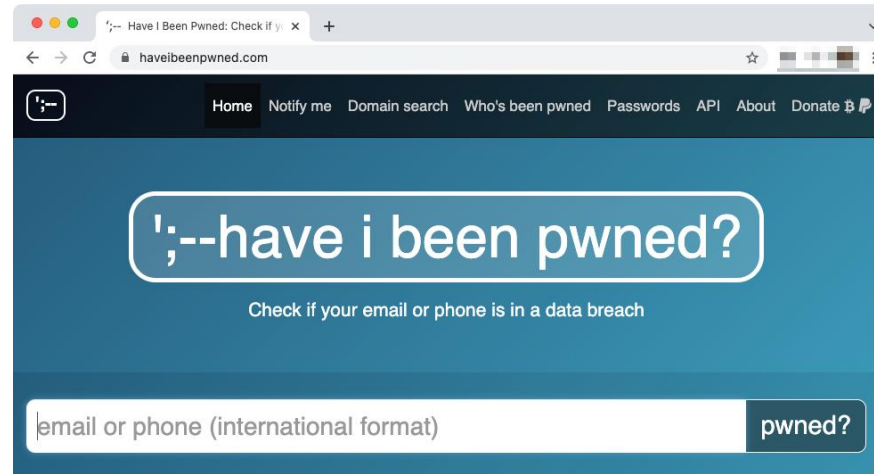
- Type of malware that encrypts all your files
- It also sends a copy of your files to the attacker
- The attacker extorts you to decrypt/unlock them
- The attacker also extorts you to keep them private
- If an ISU employee gets ransomware and has access to student data, we could be handling a data breach

How does someone get ransomware?

- Password getting phished or stolen
- Installing malware
- Falling behind on installing security updates

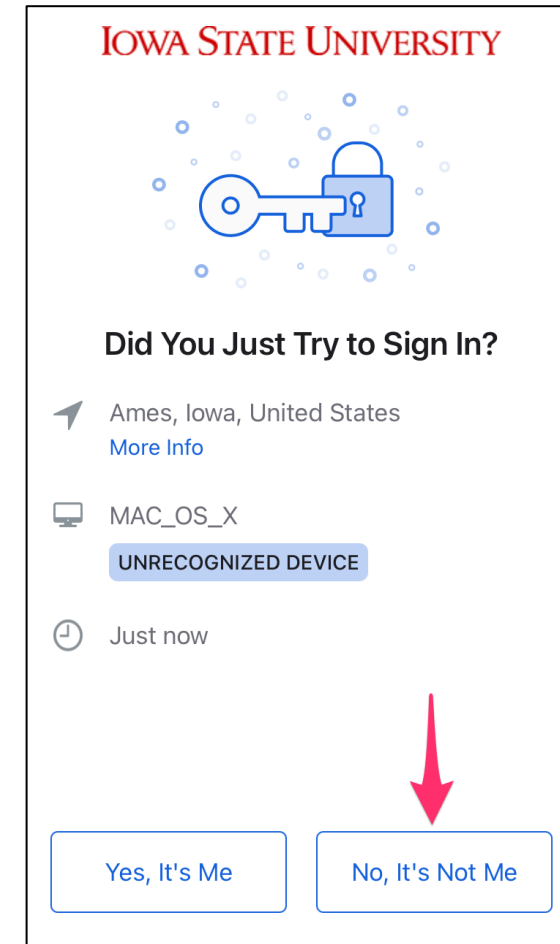
Secure Your Accounts

- Hackers compromise sites and steal passwords
- They test those passwords against other online services
- Don't reuse the same password on multiple sites
- Enable 2FA on your personal email account
- Sign up for haveibeenpwned.com to know when a site that you use has been breached



Don't let your MFA get phished

- We require MFA for all employees
- MFA mitigates the risk of a password being stolen
- If you get an Okta push message and you didn't log in to anything, say No, It's Not Me



Use a Password Manager

- Creating unique passwords is difficult...
- Remembering passwords is difficult...
- Password managers can do both for you
- Remember one good password to unlock the vault
- The password manager handles pasting the correct password into each site
- LastPass, 1Password, KeePass, Dashlane

LastPass...



Install software from App Stores

- Free software is often bundled with advertising software (Adware)
- Use a trusted App Store instead:

- Apple App Store



- Microsoft Store

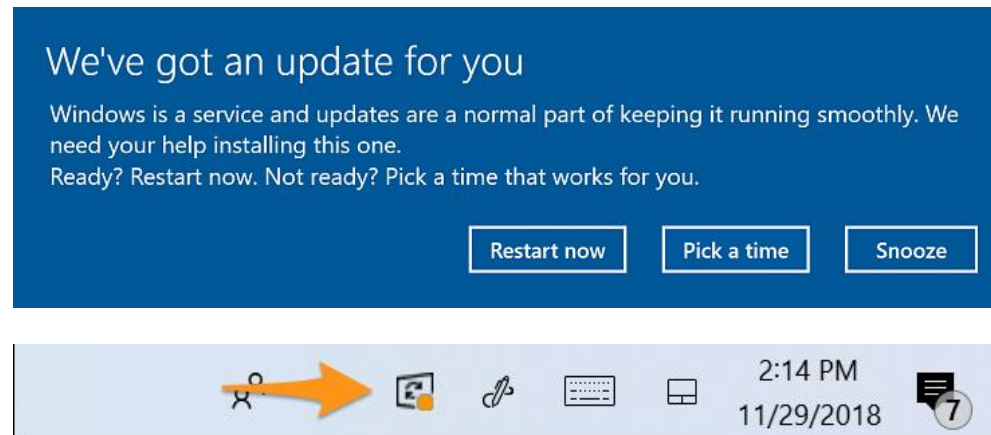


- Software Center (ISU)



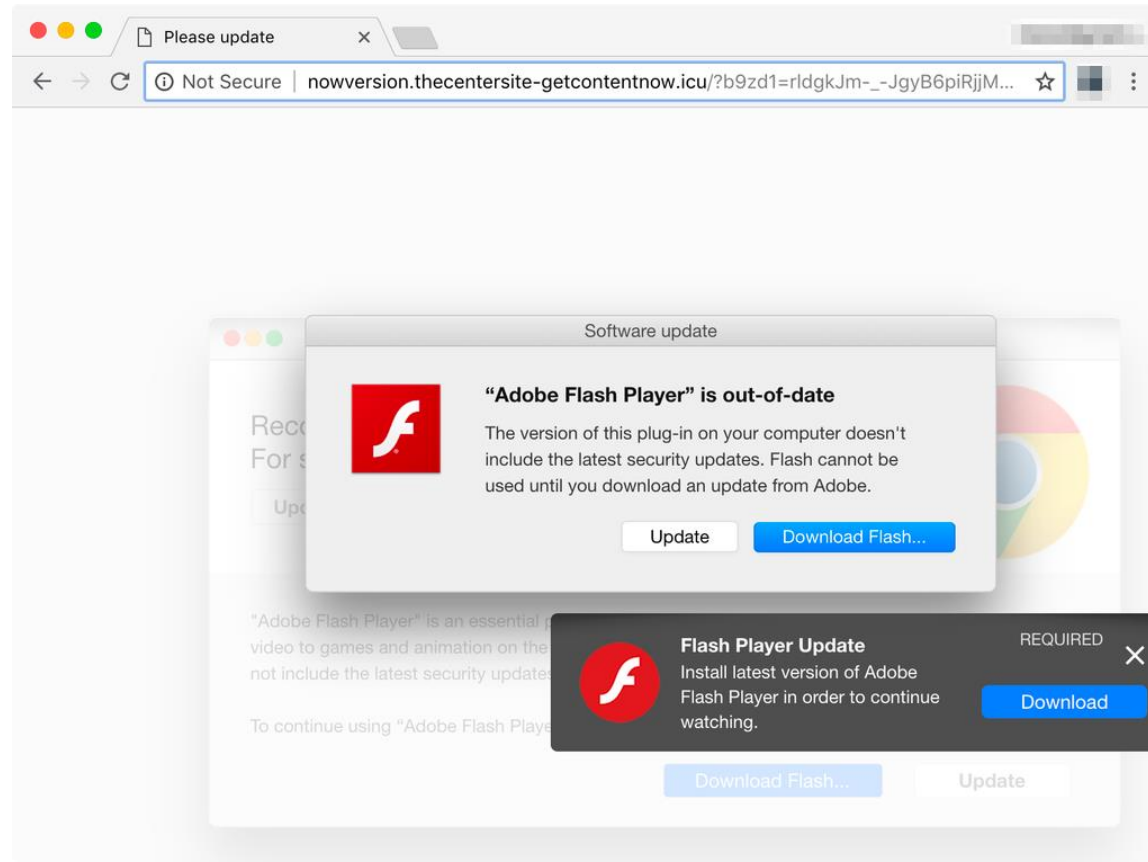
Install software updates

- MacOS System Preferences, App Store, and Windows Update will tell you when you need to install updates
- Install them quickly!
- Some apps may also use native MacOS and Windows notifications to inform you about updates



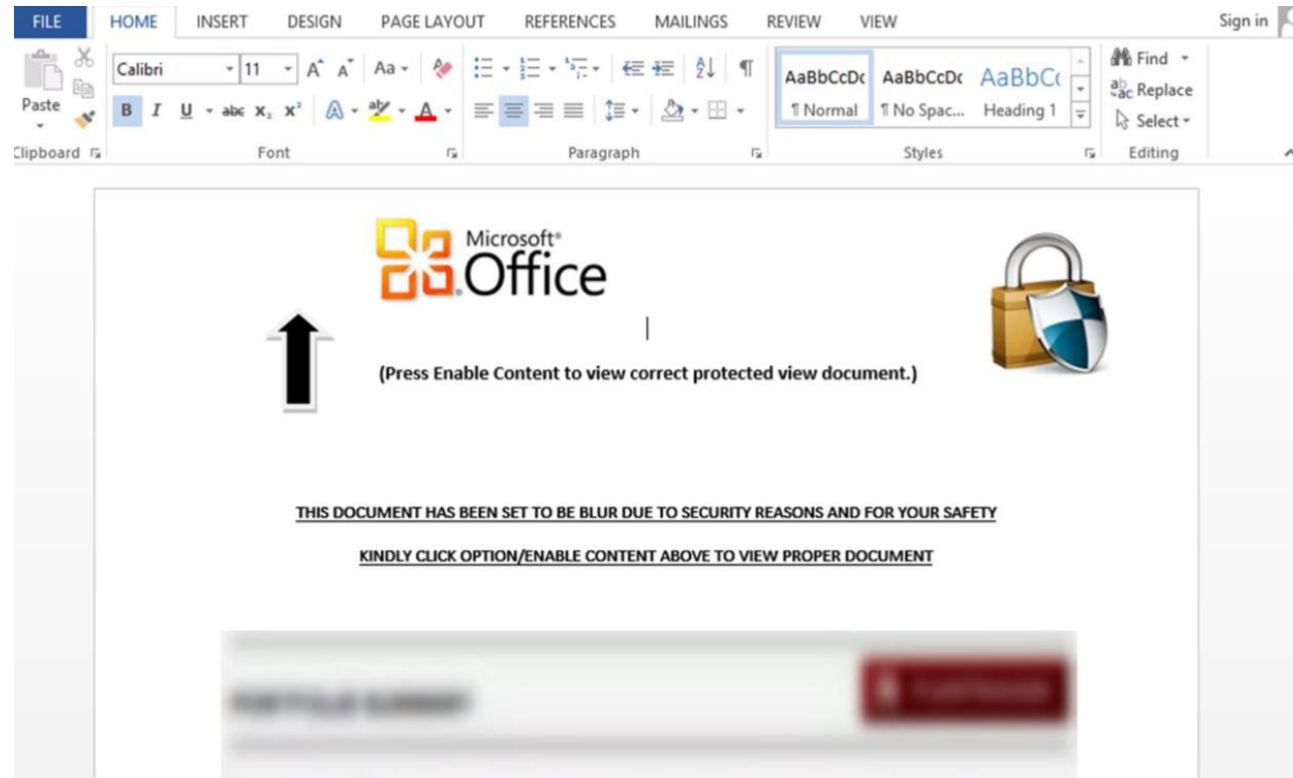
Watch out for fake software updates

- They'll lure you to install malware
- They always appear in a browser window



Unsolicited Microsoft Word docs

- Embedded macros will hack you
- You can safely preview these in Outlook Web
- Don't enable content or editing



Look for phishing attacks

- They can come through email or other messaging apps
- Click links, but be mindful of what happens next
- If you end up somewhere unexpected or are asked to do something unexpected, let us know
- Inspect the sender email address

-----Original Message-----

From: Wendy Wintersteen <officep31@gmail.com>  Public email domain

Sent: Friday, July 19, 2019 1:20 PM

To:  >

Subject: Availability Request

I'll need you to complete a task for me discreetly, let me know if you are available.

Regards,
Wendy

- Don't buy gift cards without calling the requestor first
- Don't enter your password into a non-iastate.edu site
- Forward suspect emails to security@iastate.edu

Backup your data to a cloud service

- Protects you against ransomware
- Protects you against a storage failure
- Google Backup and Sync is free for Windows / MacOS
- OneDrive backs up important folders on Windows



QUESTIONS?

Administrative Reports

Neo Thurston, Jr.

**Extension and Outreach Equal Opportunity Specialist, Equal
Opportunity Office**

Professional and Scientific Council Executive Committee Reports

- **President – Sara Parris (for Chris Johnsen)**
- **Secretary/Treasurer – Sarah Larkin**
- **Vice President for Equity and Inclusion – Jahmai Fisher**
- **Vice President for University Community Relations – John Burnett-Larkins**
- **Vice President for University Planning and Budget – John Hascall**

Professional and Scientific Council Committee Reports

- **Awards – Susy Ankerstjerne**
- **Communications – Deanna Sargent**
- **Compensation and Benefits – Patrick Wall**
- **Peer Advocacy – Jacob Larsen**
- **Policies and Procedures – Paul Easker**
- **Professional Development – Matthew Femrite**
- **Representation – Jason Follett**

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Unfinished Business and General Orders

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New Business

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Open Discussion for the Betterment of Council

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Video studio,
Student Innovation
Center

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Video editing
equipment,
Student Innovation
Center

Announcements

- **Announcements from Councilors**
- **Seminar Series Event: “Moving On From Pronouns: Building Skills for Gender Equity and Inclusion at Iowa State University”**
November 9, 2:00 – 3:00 p.m., 3560 Memorial Union (hybrid event – attend in person or join by streaming on Webex)
- **Executive Committee Meeting**
November 18, 10:00 a.m. – Noon, 206 Durham

Announcements, cont.

- **General Council Meeting**
December 2, 2:10 – 4:00 p.m., South Ballroom, Memorial Union

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Professional and Scientific Council

Adjournment