Security Corner
Protect Your Cell Phone
(from www.stopthinkconnect.org)

Phones can contain tremendous amounts of personal information. Lost or stolen devices can be used to gather information about you and potentially, others. Protect your phone like you would your computer.

- **Secure your phone:** Use a strong passcode to lock your phone.
- **Think before you app:** Review the privacy policy and understanding what data (location, access to your social networks) the app can access on your device before you download.
- **Only give your mobile number out to people you know and trust** and never give anyone else’s number out without their permission.
- **Learn how to disable the geotagging feature on your phone** at: [http://icanstalku.com/how.php#disable](http://icanstalku.com/how.php#disable)

If you think your phone, computer or personal information has been compromised, you can file a complaint about Internet-related frauds, scams, and suspicious activity with the following organizations listed here: [http://www.stopthinkconnect.org/tips-and-advice/resource-center/](http://www.stopthinkconnect.org/tips-and-advice/resource-center/)

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**Laptop vs. Tablet**

Are you pondering the purchase of a new mobile device and just can’t decide if you should get a laptop or a tablet? It really does depend on what you want to run on the device. Check out the article at the link below for some good tips to help you decide which would be a better fit for your needs!

FredCard Reader Door Access Control Upgrade
by Ben Hartung

As part of the larger on-going campus wide expansion of the online FredCard Door Access Control System and FredCard technology upgrades, the ResNet Office and Facilities Services personnel will be upgrading all of the residence halls to the new contactless FredCard door access control iClass readers in May 2012. Through a phased in plan which occurred over the last few years, most students, faculty/staff and other campus FredCard holders have already received the newer style FredCard that utilizes the iClass reader technology. Please note that there may still be some card holders who may need to be issued the new FredCard to continue to gain access to the residence halls. **Beginning in June 2012,** any current student, faculty or staff member can obtain a new FredCard through the FSA Office located on the first floor of Gregory Hall at no charge if they surrender their old FredCard at the time of provisioning their new card.

“New” HID 13.56 MHz Contactless iClass Reader

**FredCard Reader Door Access Control Background Information**

SUNY Fredonia’s online FredCard Door Access Control System has grown drastically campus-wide since it was originally implemented in 1999. Originally, the online system was only installed on the exterior doors of the residence halls however; beginning in 2005 through the Access Control Committee the system has been incrementally implemented in the academic and administration buildings. The campus wide expansion has had considerable positive impacts on

From the Dark Corner of the Smart Classroom
by Doug Johnson

A new Extron touch panel was recently installed in the Thompson E305 smart classroom. On the new touch panel, two items that raised the most questions were the time display and motion sensor. Time display on the touch panel was off by about five minutes but has been corrected by connecting the clock to a local time server. The motion sensor control is being used to keep the touch panel awake, but not the projections system. To keep the projection system on for more than two hours, please make sure to touch a control on the touch panel to reset the shutdown timer.

To access the advanced feature page, there are two “magic” pages; the switcher and the projection page. The first page that you will see is the “Magical Switcher Control Page.” You will be able to separately select only the video from any of the available video producing sources and/or be able to separately select only the audio from any of the available audio producing sources. Because the monitor on the console only has VGA input, we can only display (on the monitor) the VGA sources (i.e.; laptops) and the document camera. The projector, when turned on, will display all of the video sources. This issue will be corrected when we change over to all digital signals. There is a button to go to the “Magical Projection Control Page.” On this page you have the ability to lower or raise the screen and be able to stop it at any position, there are also projector controls that you would not normally have. You can turn the projector on or off separately from the rest of the system, freeze the image (only on a few projectors), select the video format (4 x 3 or 6 x 9) and for the rare instance when the projector is not projecting the picture properly, auto image adjust. The newer projectors have closed captioning, text options, and other capabilities, depending on the equipment in the room.

Please remember to turn off the projectors and lock the black boxes after your class. Remember that the projection system will shut off after two hours if you do not reset the timer in the system by changing the input or adjusting the volume. We will continue to make improvements to the classroom projection systems and welcome any suggestions for improvement.

[Continued on page 6]
SUNY Fredonia
Information Technology Services

HelpDesk Consultant/Technician

SUNY Fredonia’s HelpDesk Team is seeking two qualified individuals to support Macintosh and Windows computer labs and users. One position will be primary Macintosh support, and the other will be primary Windows support, with each position providing secondary support for the other platform. In addition to technical skills, these positions require attention to detail, a collaborative work and communication style, and excellent customer service skills.

For complete job descriptions, qualifications, application instructions and review start date, please visit:

Macintosh HelpDesk position –
https://careers.fredonia.edu/applicants/Central?quickFind=50778

Windows HelpDesk position -
https://careers.fredonia.edu/applicants/Central?quickFind=50777

SUNY Fredonia prides itself on an outstanding workforce. To continually support organizational excellence, the university conducts background screens on applicants. An affirmative action/equal opportunity employer, SUNY Fredonia encourages and actively seeks applications from minorities, women, and people with disabilities.

Keep a Clean Machine
(from www.stopthinkconnect.org)

- **Keep security software current:** Having the latest security software, web browser, and operating system are the best defenses against viruses, malware, and other online threats.

- **Automate software updates:** Many software programs will automatically connect and update to defend against known risks. Turn on automatic updates if that’s an available option.

- **Protect all devices that connect to the Internet:** Along with computers, smart phones, gaming systems, and other web-enabled devices also need protection from viruses and malware.

- **Plug & scan:** “USBs” and other external devices can be infected by viruses and malware. Use your security software to scan them.

Tech Watch

Editor: Gale VerHague

Contributors: Karen Klose, Janet Mayer, Julie Schaeffer, Benjamin Hartung, Cathie Zakrzewski, Doug Johnson, T. John McCune

Photo Credits: Andrea Wasiura

Tech Watch is published three times each academic year by Information Technology Services. Please send feedback via email to its@fredonia.edu
Celebrate the Earth with these energy saving ideas from energysavers.gov!

- Turn off your office computer every night and weekend, or only activate monitor sleep setting if you use remote access.
- Place the monitor and all peripherals (scanners, speakers, printers) on a power strip/surge protector and when equipment is not in use for extended periods, turn off the switch on the power strip to prevent them from drawing power even when shut off. If you don’t use a power strip, unplug them when not in use.
- Power off the monitor when not in use instead of using screensavers (default monitor off setting on newer university computers is 30 minutes).
- Activate computer power management features. See [http://www.energystar.gov/index.cfm?c=power_mgt.pr_power_mgt_users](http://www.energystar.gov/index.cfm?c=power_mgt.pr_power_mgt_users) for instructions. Please note that SUNY Fredonia computers purchased the past two years use the following default power settings:
  
  Display off = 30 minutes
  
  Hibernate = 360 minutes
  
  Screen Saver =15 minutes
- Choose dark backgrounds for screen display (bright-colored displays consume more power).
- Network/share printers where possible.
- Review document drafts and emails onscreen instead of printing them out.
- Print on recycled-content paper.
- Use double-sided printing functions.
- Save documents electronically in ANGEL, the U-drive space, or in Google Docs.
- Replace an old CRT display with an LCD.
Welcome Julie Schaeffer!

Julie Schaeffer recently joined the Information Technology Services (ITS) team assuming the role of Application Specialist. Her primary duty will be management, support and maintenance of the OnBase Document Management Project.

Julie has worked here at SUNY Fredonia since 1997 as an adjunct faculty member in the Communication Department teaching Desktop Presentation, Adobe Flash and Web Design. Julie also worked in private industry as an IT Consultant. She is a Microsoft Certified Trainer and consulted on document management projects. She worked at a local high school as a Director of IT and for Chautauqua County Information Technology for eight years. Julie holds a Bachelor’s Degree in Information Systems and a Master of Science in Educational Computing. Julie resides in Fredonia with her husband and has two adult children; Romana, currently enrolled as a SUNY Fredonia student, and Forrest, an IT Consultant in Buffalo.

Be Web Wise
(from www.stopthinkconnect.org)

- **Stay current. Keep pace with new ways to stay safe online:** Check trusted websites for the latest information, and share with friends, family, and colleagues and encourage them to be web wise.

- **Think before you act:** Be wary of communications that implores you to act immediately, offers something that sounds too good to be true, or asks for personal information.

- **Back it up:** Protect your valuable work, music, photos, and other digital information by making an electronic copy and storing it safely.

Be a Good Online Citizen
(from www.stopthinkconnect.org)

- **Safer for me more secure for all:** What you do online has the potential to affect everyone – at home, at work and around the world. Practicing good online habits benefits the global digital community.

- **Post only about others as you have them post about you.**

- **Help the authorities fight cyber crime:** Report stolen finances or identities and other cybercrime to the Internet Crime Complaint Center (www.ic3.gov) and to your local law enforcement or state attorney general as appropriate.
campus operations providing a higher degree of physical and logical security, convenience, efficiency and overall accountability. The campus wide system boasts a robust infrastructure which currently has nearly 300 FredCard readers, approximately 40 TCP/IP based communication panels, hundreds of sounders, electronic door strikes, ADA automatic door openers, motion detectors and magnetic door contacts. The system also includes state of the art high availability redundant servers and client workstations to remotely manage the system. The University Police Office, Facilities Services, Faculty Student Association and the ResNet Office all cooperatively administer the system.

In May 2012, ResNet and Facilities Services will be upgrading all 14 residence hall with the new iClass FredCard Door Access Control readers. This upgrade is part of the more expansive project to migrate the campus from the current magnetic stripe to the new iClass FredCard readers which began nearly three years ago. Noteworthy project milestones include the following: FredCard redesign and credential technology migrations and provisioning led by Eric Johnson from FSA; implementation of a high availability redundant server environment led by Ben Hartung from ResNet, implementation of the online door access control system across academic buildings led by Mike Jackino from Facilities Services, data integration for “real-time” FredCard door access updates from Banner led by Darin Yohe from ITS Programming and Ben Hartung, Structural trades work led by Mike Wygant from Facilities Services, network infrastructure and security improvements led by Joe Baxter and JJ Nocek from ITS Data Communications, and on-going consultation with the University Police department led by Lt. Clif Wheeler. It is important to note that all new construction projects across campus which include provisions for the online FredCard Door Access Control System will utilize the new contactless iClass readers.

A noteworthy project constraint has been the evolution of the FredCard itself as the number of services tied to the card has grown over the last decade or so. Currently, the FredCard has the following services: official form of SUNY Fredonia identification, meal plans, debit account, door access control, library, vending and photocopy purchases, and the campus community bus system. These collective services were the driving force behind the current FredCard stock design and characteristics. The current FredCard is very much improved over its predecessor boasting a higher degree of sophistication in credential technology. It is also important to note that the increase in the technological sophistication of the FredCard has also proportionately increased the total cost of production and administration as well as information security needs for the credential information. Some key security features of the current FredCard include the following: dual technology capabilities in offering triple track magnetic stripe and iClass chip w/ encryption capabilities, iClass number concatenated with a Corporate 1000 facility code, and the card holder acceptance of the terms of usage via a digitally captured cardholder signature.

FredCard (Front)                        FredCard (Rear)

Please Note: The academic and administrative buildings that currently have the magnetic stripe online FredCard door access readers will be migrated incrementally in the near future as funding permits.

For More Information:
https://www.myfredcard.com/
http://www.fredonia.edu/admin/facilities/BuildingAccess.asp
http://www.fredonia.edu/res_admin/resnet/fredcardDoorAccess.asp