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MFD REFRESH

In 2007, the Comptroller and ITACS partnered to bring the first consolidated Multi Function Device (MFD) contract to campus. The MFDs are capable of printing, scanning, faxing, and copying, saving the campus \$1.5 million dollars. ITACS led the effort to refresh the equipment and a new contract was awarded in January 2013.

The new machines will print and scan in color. They also have a feature called Secure Print, which does not release the print job until the user enters a unique PIN number into the device. This allows printing of sensitive documents to a shared printer. These two key features will allow many departments to recycle personal printers and scanners and save money on the equipment and resources needed to keep them running. Other features include faster processors, increased memory, an easy to read color display, and faster output to allow for a smoother customer experience with minimal downtime.

The installation of the new machines started on March 19 and will take approximately 4 weeks to complete. There are 106 devices on the contract and will replace each of the Xerox WorkCentre Pro printers currently in place around campus. The downtime for a machine should be no longer than one business day.

To find out more about the delivery schedule, features, and frequently asked questions, or to inquire about a device in your area, please visit: <https://wiki.nps.edu/mfd>.

OUTREACH AND PARTNERSHIP

Internet2 Leadership Visit – President David Lambert and Senior Vice President Shel Waggener, visited the campus on March 11, spending an entire day meeting with faculty and academic administrators involved in cyber research and education. The visitors did a public presentation in the afternoon, outlining future plans for Internet2.

DMDC Receives New CIO – Dr. Christine Haska and Mr. Joe LoPiccolo welcomed the new CIO of DMDC, Mr. Jason Gray on March 18. He was provided an ITACS briefing along with a discussion on possible areas of collaboration.

New President at MPC – Dr. Christine Haska met with Dr. Walter Tribley, the new President of Monterey Peninsula College on March 18. She welcomed him to the Monterey Peninsula and discussed possible areas of collaboration and internships.

CSI Briefing – Dr. Haska is in the process of meeting with every academic department to explain the purpose of the CSI and its importance to NPS. So far, she has met with the following departments: Defense Resources Management Institute, Electrical & Computer Engineering, Physics, Defense Analysis, Mechanical & Aerospace Engineering, and Applied Mathematics.

GBALECCO LAUNCHES WORLDWIDE

ITACS has been working closely with the Combating Terrorism Fellowship Program's (CTFP) global alumni network on developing a web portal - GlobalECCO. GlobalECCO's mission statement describes that it is designed to provide innovative solutions for a network of Combating Terrorism (CbT) experts through the use of "engaging technologies and techniques that both enable and



encourage collaborative partnership between individuals, nations, organizations, and cultures." It further explains that the new web portal "enables communication between members who may otherwise be isolated physically, and allows multiple community members to interact, facilitating collaboration and continuing education on critical security issues. It also helps to maintain a network of skilled operators with a wealth of expertise to share and to draw on."

GlobalECCO integrates multiple technology platforms to enable a secure and reliable web presence accessible to members worldwide. These systems were designed to provide a user-friendly experience for discussing counter-terrorism topics, as well as online games that are pertinent to the skills needed.

The new web portal also hosts a variety of interactive modules, including a progressive multimedia journal (CTX), strategic gaming applications, and a continually updated collection of operator archives from those who have fought in the war on terrorism. It also provides access to daily counter-terrorism news and a 'curated' collection of blogs and resources on all facets of terrorism, violent extremism, and radicalization.

For more information on GlobalECCO, please visit: <https://globalecco.org>

FIBER OPTIC CABLE EXPANSION

The AT&T fiber optics feed to NPS was approaching capacity. To ensure fiber optics capacity was available for planned upgrades to existing infrastructure projects. ITACS Cyberinfrastructure Team worked closely with

the NPS community to bring about a funded project that would enable outside fiber to be installed for greater connectivity.

The team coordinated with their AT&T counterparts for the delivery and installation of micro fiber optic cable to the new Ingersoll Hall terminal point. This doubled the amount of fiber for indoor connectivity transmission to the data center, in effect laying the ground work for future capacity growth should additional fiber be brought onto the campus. NPS now has two, on-campus outside plant, termination points for fiber, Ingersoll Hall and Herrmann Hall.

This new addition of fiber is necessary to allow NPS to move forward with pressing infrastructure upgrades for future years. It also enables the Naval Support Activity Monterey to move forward with their recently funded Navy Region Southwest E911 project and provides connectivity for planned upgrades of the Defense Research and Engineering Network (DREN), Defense Manpower Data Center mainframe, and the NPS video conferencing suite.

LIMESURVEY TOOL NOW AVAILABLE TO CAMPUS



Due to a new Department of Defense (DoD) policy that prohibits non-public DoD data from being stored on non-DoD servers, the Institutional Review Board (IRB) sought a replacement survey application for the human subject research performed at NPS. In April of 2012, Dr. Larry Shattuck of the IRB asked Enterprise Information Systems to provide a solution that would support the needs of survey creators at NPS who use externally hosted tools, such as Survey Monkey. On February 26th, LimeSurvey was deployed to the functional owners of the application – the Research Office, Institutional Research (IR) and Institutional



Advancement (IA) for further testing, which is nearing completion.

LimeSurvey is a free, open-source surveying tool that is hosted by the Naval Postgraduate School. It was initially released in 2003 and is now available in 66 languages and dialects. Student, faculty, and staff survey data is kept private and secure on NPS web servers.

If you would like to inquire about gaining access to LimeSurvey, please contact Human Research Protection Program Specialist, Celine Lai (clai@nps.edu) regarding performing human subject research or Director of Institutional Research, Dali Ozturk (maozturk@nps.edu) for research activities that are excluded from IRB review (such as administrative surveys).

Additional information on LimeSurvey can be found at: <http://www.limesurvey.org/>

HIGH PERFORMANCE COMPUTING: AHEAD OF THE GAME

Research Computing at NPS has accomplished much over the course of this past fiscal year, for example: renewing software licenses and hardware warranties, procuring new "compute nodes" to increase the total number of CPU cores, and adding new graphical processing units to stay on the leading edge of supercomputing technology. The original hardware installed on Hamming, NPS' super computer, in 2009 provided what was then a reasonable amount of processing power to accommodate our researchers' data analysis.

However, the need for greater processing speeds and higher resolution graphics is continually increasing. The Research Computing (HPC)

group has been able to keep up with the ever-changing demand and recently increased the number of computing cores on Hamming, enabling peak speeds to reach up to a whopping 19.8 teraflops (trillion floating-point operations per second). The team also upgraded the graphics processing units (GPU) to reach aggregate speeds of 27 teraflops, though approaching this performance level requires special programming expertise.

An interesting way to look at the amount of computing done on Hamming over fiscal year 2012 is that it would have taken a single CPU over 200 years to do what approximately 1500 computing cores did over the course of a year. The current configuration of Hamming should not require a major hardware refresh for another 3-4 years.

NPS ENTERPRISE WIKI: STAYING CONNECTED WITH NPS

The NPS Enterprise Wiki, Confluence (produced by Atlassian), has been a useful tool for researchers and staff for collaboration and project documentation. Using the NPS Wiki provides a way to host NPS-related content for students, faculty and staff to provide their feedback.

Recently, the Confluence software was updated to a newer version, which includes a more streamlined interface and additional collaboration features not available in the previous version. Users are now offered notification features that update individual users on changes and tasks in which they are associated via a conveniently located icon that remains fixed at the top of any screen they are visiting. They also have the ability to assign tasks to themselves and collaborators in a manner that is easily tracked through to completion.



Greater integration of the JIRA project management system also enables project teams to stay updated on the progress of their projects, while remaining within the wiki interface.

More information on the features and upcoming releases of the NPS Wiki can be found at: <https://wiki.nps.edu/display/WELCOME/NPS+Enterprise+Wiki>

KFS ENHANCEMENTS

During the month of March, the KFS Functional and Technical Teams enhanced the usability of the system by adding several new features to assist users while searching for and creating new purchase requisitions.

Some of the enhancements include a new drop down menu in the Purchase Requisition search that limits results to given fiscal years. The PDF print preview function now displays the object code number and description for easy reference. Furthermore, users will now receive error messages when object codes that are specifically used for fees associated with Recharge Cost Centers are mistakenly used.

Additional changes to the user interface include displaying the Job Order Number (JON) for those requisitions that use the account summary tab, as well as an additional field for Account's STARS Indirect Job Order Number, which allows financial technicians to filter results based upon available balances.

KUALI COEUS: SMALL STEPS, BIG POSSIBILITIES

Developers on the NPS Quali Coeus project, a comprehensive system for research administrators to manage faculty research,

grants and federal funding, have recently provided an un-customized development platform for the Research Office to test functionality and conduct a fit-gap analysis of the product. This will enable the functional team members of the Research Office to determine whether the product meets their needs or if further customizations could be made to satisfy their requirements.

The next phase of the project is for the NPS Quali Coeus functional and technical teams to create an overall project plan and associated timeline. This will be the basis for how the fit-gap analysis and possible customizations will be handled over the course of the product implementation.

SCHIEFFELIN AWARD APPLICATION RECEIVES REDESIGN

The Admiral John Jay Schieffelin Award for Excellence in Teaching recognizes faculty who exemplify superior teaching at NPS. Each year a survey is conducted primarily among students, as well as alumni, to nominate faculty they feel are most influential in their teaching style and instruction. The award is presented during the Spring Graduation Ceremony, which has been an integral part of the NPS tradition since 1970.

The Schieffelin Award Committee requested that the survey application be redesigned to assist survey efforts of NPS students and alumni, as well as the Defense Resource Management Institute (DRMI) students, to ensure that the selection of teachers was clearly listed for each area. To ensure that DRMI professors were nominated, a separate survey was created for the Institute to assist their students with easily locating their instructors and eliminate confusion among other departments. Additionally, the application also received a redesign of the interface to enhance the overall user experience.



WHY YOU SHOULD RESTART YOUR COMPUTER EVERY NIGHT

Outlook won't take your password after you changed it over the weekend and you had left your screen locked? Things not running as smoothly as you expect? Did a file become corrupt after a planned power outage that occurred outside of business hours?

Did you know that restarting your computer every night can help prevent these problems and numerous others? If you start the process as you are leaving the office for the evening, your computer will be ready and waiting for you in the morning with the login screen.

Restarting your computer is like giving your computer a good night's rest, and most of us don't perform very well if we aren't refreshed daily, either.

The steps are simple. In Windows XP, click "Start", choose "Shut Down", and in the final window choose "Restart". In Windows 7, click "Start", move the mouse to the right of "Shut down", and click "Restart" on the little menu that appears.

TAC STATISTICS

For the month of March 2013, the Technology Assistance Center (TAC) received 4,271 requests for assistance, 3,372 of which were resolved by the Tier 1/Tier 2 areas. The remaining 899 requests were escalated to groups outside of TAC for specialized assistance. Overall, there has been a 14% decrease in requests for assistance compared to the month of March 2012. Requests for assistance were categorized as follows:

Phone: 2,252
E-Mail: 1,601
Walk-in: 385
Web: 2
Technician: 31

This month, 92% of all calls were resolved within the Service Level Agreement (SLA). Those that were carried over are awaiting parts or pending information from customers.