



### **CYBERINFRASTRUCTURE UPDATE**

ITACS has been moving campus users alphabetically by database to Exchange 2010. To date, about 1,500 users have been moved. The migration has been occurring Monday through Friday from 5:00 p.m. – 4:00 a.m. the following morning and from 5:00 p.m. on Friday to 4:00 a.m. on Monday morning.

Some benefits of Outlook 2010 are more server platforms, fuller featured Web access, an outbound spam filter, increased mailbox size, and Outlook Anywhere client, which will support mobile devices without changing settings.

Apple/MAC/Entourage users (up to 2008) require special assistance in migrating to Exchange 2010. As a result, ITACS is notifying all known users of these systems in advance of their migration of the need for special attention.

Notifications are being sent in advance to all users instructing them on how to prepare for their migration, and connecting each to the Wiki link that details information on Exchange 2010, tips for preparing for the migration and contact information should users have concerns or questions. A second email notification is sent to users one day in advance of their migration. The link to the Exchange 2010 Wiki is also posted on the Student Check-in page on the Intranet.

### **CINEGRID AND VISUALIZATION**

In mid-April, MOVES Research Associate Jeff Weekley updated the IT Task Force on NPS visualization and CineGrid-related activities. CineGrid members attended a meeting and dinner hosted by the National Association of Broadcasters; upgrades and format conversions

are underway for the NT JPEG2k codec; continuous improvements are being made to the iRods, a content management system for peta-scale global data distribution; and Cinecloud, a network visualization and collaboration tool for remote collaboration, is in development.

The National Science Foundation has iterated its support for visualization, sustainability, data preservation, software development, data sharing and data-enabled science.

NPS has established the Advanced Data Visualization and Network Informatics Center in conjunction with the Naval Undersea Warfare Center in Newport, Rhode Island and USSOUTHCOM. The partnerships will help build visualization capabilities and reinforce 4K efforts at NPS. A CRADA is currently being developed for the partnership, in which NPS will normalize 4K streaming and audio between the partner institutions, and utilize X3D, Render Man and hamming supercomputer in the teams' initiatives.

Demonstration plans for 4K include an airship to ground live link; testing of the AstroDesigns live 4K streaming camera as well as the Sony F65; a USV-to-shore 4K live image streaming; and a 4K world premiere of the "100 Years of Naval Research Laboratory" stream from Newport to Monterey.

Remote collaborations include building Optiportables which can be used as power walls in collaborative classroom activities or as transmission vehicles for next generation video-teleconferencing.

Mr. Weekley will provide the IT Task Force with another update in the upcoming months.



### **CYBERSECURITY & PRIVACY**

ITACS has completed three Security Assist Visits for CED<sub>3</sub>, the Center for Homeland Defense and Security, and the Dudley Knox Library, and is remediating vulnerabilities and implementing recommendations as a result of the reviews. Discussions have been positive and each organization has been responsive.

The team also assisted the US Naval Academy with an ongoing IT security incident involving an Advanced Persistent Threat. Past lessons learned by ITACS were shared with USNA so they could focus their efforts at addressing their highest risk issues first.

### **KUALI FINANCIAL SYSTEM (KFS)**

Ms. Colleen Nickles reported to the IT Task Force that the newly-established Control Configuration Board (CCB) — which includes representatives from the Faculty Council and Research Board and is charged with managing future changes, resources and improvements in KFS — has adopted a charter, and will be adding to its membership by inviting representatives from each of the four Schools and major administrative areas. The CCB has also formed an *ad hoc* subcommittee that will review proposed changes to reporting, and work directly to address questions and concerns that SPFAs have raised in regards to KFS.

The P.O. log has been completed and the PI online attestation tool is available for FY2010 and FY2011. The automatic distribution of indirect cost recovery to individual PI accounts will be completed by May. The KFS team is trying to find a solution between the SLDCADA and KFS systems to alleviate the delay of labor information going into the latter.

The KFS team has created a mockup of a report in which a column has been added for pending and projected amounts which the *ad hoc* subcommittee is reviewing.

KFS has established an Ombudsman office ([kfsombudsman@nps.edu](mailto:kfsombudsman@nps.edu)) which Ms. Laura Cole is heading, which is working across departmental boundaries to track issues and determine methods to improve business processes, provide trainings, and to highlight weaknesses and solutions in KFS.

Ms. Nickles updated the Faculty Council on KFS at their meeting on April 14, 2011. Another brown bag session on KFS will be scheduled for the campus at a later date.

### **PARTNERSHIPS AND OUTREACH**

Dr. Christine Haska and a team from NPS attended the Western Association of Schools and Colleges (WASC) conference in San Francisco, CA from April 6-8, 2011. NPS recently received the maximum ten-year accreditation from WASC.

Because Chair RADM Ellis (ret.) could not attend, Dr. Christine Haska briefed the Faculty Council on the Committee of the Future (CoF) on April 14, 2011.

The CoF is drafting its report, and the initial draft will be reviewed at their next meeting on May 24, 2011. The committee's final document will be presented to President Oliver and Executive Vice President and Provost Leonard Ferrari in September.

The IT Task Force and other members of the campus community have reviewed the chapter on Information Technology.



Director of Cybersecurity and Privacy Chris Gaucher and Cyberdefense Operations Manager Jason Cullum attended the annual EDUCAUSE Security Professionals Conference in San Antonio, Texas in April. Key subjects addressed included IT governance, anti-phishing techniques, methods and technologies for the protection of Personally Identifiable Information, and anti-malware techniques and processes.

Mr. Gaucher and Mr. Cullum also attended the annual meeting for members of the Research and Education Network – Information Sharing and Analysis Center where they networked with colleagues and learned about the latest efforts for combating current cyber threats.

#### **TECHNOLOGY ASSISTANCE CENTER**

From April 1 through 28, 2011, the Technology Assistance Center (TAC) received 4,284 requests for assistance, 2,973 of which were resolved by the Tier 1/Tier 2 areas. The remaining 1,311 requests were escalated to groups outside of TAC for specialized assistance. This number represents a 60% increase in requests for assistance from April 2010.

Requests for assistance were categorized as follows:

Phone: 1,916  
E-Mail: 1,709  
Walk-in: 637  
Web: 4  
Technician: 18

This month, 91% of all calls were resolved within the Service Level Agreement (SLA). Those that were carried over are awaiting parts, pending information from the customers, etc.