



ITACS

Information Technology and Communications Services

Naval Postgraduate School, Monterey, California

Tech News

June 2004

Monterey Bay DoDNet

NPS, DLI, DMDC, FMNOC, NRL and the National Weather Service are finalizing testing of a DoD fiber optic ring infrastructure called **DoDNet**, which links all DoD properties on the Monterey Peninsula. This joint project will support **high-speed voice, video, and data transfer**, and **backup and recovery** operations, as well as provide users access to an alternate high-performance network, at **less cost** than current leased line configurations.

Barracuda Spam Firewall

The **Barracuda Spam Firewall** networking device has been in test since the end of May. On a daily basis, it has blocked between **68%** and **97%** of incoming mail to the test accounts, delivering only filtered mail. False positives and junk mail delivery rates have been low. eBay, Yahoo! and Oracle all use the Barracuda for controlling spam at their sites. It is NMCI-compatible.

At the local account level, virus-infected messages and executables are blocked, and questionable messages are quarantined, where they can be released by the user after being viewed. All are virus-checked. The device will be installed in full production during the June break.

Network Performance Measurements

Lonna Sherwin is leading a group to expand automation of network performance measurement. NPS met with Foundry Networks engineers and sales representatives to discuss acquisition of InMon.

Internet2

Internet2 has over 200 universities connected to the network, and many corporate partners. One aim of Internet2 is to have a high-speed infrastructure so that members can try new things, like HDTV, without worrying about bandwidth constraints. The primary focus is on developing the next generation of network applications that can leverage this infrastructure. Faculty is engaged in research in the **three key areas**: distance education, collaboration, and remote experimentation involving a data-gathering device at a remote location.

PKI News

Val Moulé, ITACS' Advanced Support Group Manager, has nominated **Melinda Craig** to lead an NPS pilot. The initiative will test PKI certificate-based log-on with Online Certificate Status Protocol (**OCSP**) in support of DoD and USN testing. **SPAWAR** will provide equipment and training. NPS will provide a large test sample for proving the scalability of using OCSP for verifying certificates. A successful test will speed opening of digitally signed e-mail.

VIP Visits

Virgil Schwab, CIO of Monterey County, visited the campus on 28 May. **Dr. Rudy Panholzer** showed him the Space Systems labs and PanSat satellite launch. **Dr. Don Brutzman** and **Don McGregor** displayed the 3-D capabilities of **MOVES** projects. Tours of the IT facility (**Bob Gentry**) and Herrmann Hall (**Barb Honegger** of PAO) rounded out his stay. **Dr. Christine Cermak** hosted Mr. Schwab's visit.

Tracy Hammond, **Doug Brinkley**, **Val Moule**, **Todd Pugh** and **Chris Vance** visited Sun Microsystems on 2 June to demo technology appropriate for use in NPS classrooms. **Scott McNealy**, President of Sun, spoke with them.

Dr. Christine Cermak met with **Robert Miller**, the UCSC VP for Research, to explore possible interests in expanding connectivity between NPS and UCSC.

Dr. Cermak also met with **Pat LeCuyer**, Assistant Vice Chancellor for IT at UCSC, to discuss common IT projects and possible collaboration.

Lou Giannotti, the USNA CIO, and **Brian Phillips**, Naval War College acting CIO, visited California the week of June 14. They spent June 14-16 in Silicon Valley at Oracle, Fujitsu, Sun, Cisco, and Foundry, and met with the Stanford University CIO **Chris Handley**. On June 17 they attended an all day meeting at NPS to discuss NMCI and other common IT issues.