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## Update NPS / April 2008

Naval Postgraduate School (U.S.)

Monterey, California: Naval Postgraduate School

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## NPS Attends 12th Annual CENIC Conference

By MC2 (SW) Corey Truax

The Naval Postgraduate School (NPS) recently built on some human connections with the best and brightest of California and beyond at the 12th Annual Corporation for Education Network Initiatives in California (CENIC) Conference 2008.

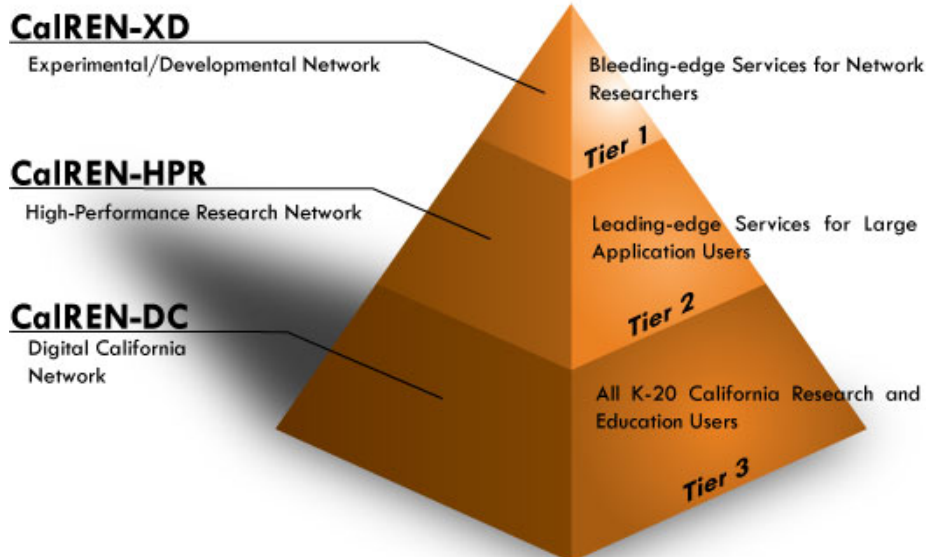
CENIC was formed in 1996 and since then has grown into a state-spanning fiber-optic network serving nearly all of California's research and educational institutions.

"CENIC permitted us to operationalize our .edu domain," said Dr. Christine Cermak, NPS Chief Information Officer. "This enables us to peer with high speed national and international networks. It really permits us the network flexibility, capacity and speed you find at other research universities."

It wasn't until 2005 that NPS became a CENIC Network Associate, transitioning from relying on the Defense Research and Engineering Network (DREN) to being able to utilize the high speeds of the California Research and Education Network (CalREN) that CENIC provides. This evolution was spearheaded by Cermak who enlisted the help of Bill Hogan, a network architect at the Defense Language Institute (DLI), to establish a collaborative network initiatives program at NPS. DREN continues to be an important network for NPs for its .mil domain.

"My first task when I came here from DLI was to build the Monterey Peninsula DoD [Department of Defense] network and to get CENIC connections," said Hogan. "When I arrived the school was relying on 45 megabits per second DREN connection. With DREN and the limited bandwidth it wasn't even possible to consider sharing huge data sets."

### Network Development & Evolution for the California Research and Education Community



Change was needed to keep up with the growing demand of research and collaboration at NPS.

With this need in mind, NPS external network capacity was enhanced by being connected to the CalREN backbone. This provides the campus with higher speed connectivity than it previously had, allows NPS the ability to increase its connection in the future to meet rising demands for bandwidth, and augments the DREN connection.

There are three networks that comprise CalREN and they operate simultaneously but independently of each other. The networks are represented by a three level pyramid.

CalREN-DC, the Digital California Network. CalREN-DC represents the base of

the pyramid and is used for everything from e-mail and web surfing to more demanding applications like streaming rich media and high-quality videoconferencing through CalREN Video Services.

"The DC Network backbone until the end of the year is 2.5 gigabits per second," said Hogan. "We're in the process of upgrading that backbone to 10 gigabits per second. The increase is being done to accommodate the large number of subscribers on the network who are using the network to do things like video teleconferencing, which uses more bandwidth."

CalREN-HPR, the High-Performance Research Network. CalREN-HPR represents the middle layer of the pyramid and is used for applications that require higher levels of

connectivity. NPS researchers rely heavily on the HPR network and its increased speed and bandwidth.

"HPR 10 Gigabit backbone speed allows NPS to collect huge data sets from multiple locations and do collaborative research with other schools," explained Hogan. "With HPR you can push huge amounts of data. Any NPS researcher collecting information from sensors at locations from various points around world and using this information to collaborate with other universities is most likely operating in the HPR Network."

"Plans to upgrade the HPR backbone to forty plus gigabits per second are complete and will be implemented after the DC upgrade is complete," said Hogan.

CalREN-XD, the Experimental/Developmental Network. CalREN-XD represents the tip of the pyramid. This network layer gives researchers access dedicated wavelengths for development and testing of new optical encoding systems and network protocols without fear of altering the normal day-to-day functions of the DC and HPR Networks. NPS does not operate in the XD layer.

There are some changes in the works. "The HPR backbone is 10 gigabits per second and NPS also has a 1 gigabit connection to this network," Hogan explained. "Plans for the HPR network upgrade to forty gigabits and beyond include a 10-gigabit connection for NPS. Because the bandwidth is there now, people are considering doing collaborative research they couldn't do before. Enhanced reputation in the research communities and greater results are going to come out of the increased bandwidth."

For more information about CENIC, visit [www.cenic.org](http://www.cenic.org)

## Top Professors and Students Recognized

The Naval Postgraduate School recognized a Bronze Star winner, two faculty members and 19 students for outstanding academic and instructional achievement at the university's Winter Quarter 2008 Awards Ceremony, Mar. 18.

The ceremony, officiated by Dean of Students Capt. Kathryn Hobbs, recognizes the highest levels of achievement in academics, instruction, research and community service.

NPS President Daniel Oliver had the honor of presenting the Bronze Star to Air Force Maj. Jason L. Lemons for exceptional service in Iraq in 2005 and 2006, before coming to NPS.

Navy Lt. Raja G. Hussain, a foreign area officer, received the Naval Postgraduate School's highest academic honor, the Monterey Council Navy League Award for Highest Academic Achievement, for his thesis "Badal: A Culture of Revenge - The Impact of Collateral Damage on Taliban Insurgency," as well as the Louis D. Liskin Award for Excellence in Regional Security Studies. Hussain originally enlisted in the Army and, after using the GI Bill to earn a degree, entered the Navy via Officers Candidate School.

Two outstanding faculty awards were presented at the ceremony -- the Richard W. Hamming Award for Interdisciplinary Achievement, to retired Navy Capt. Jeffrey Kline; and the Lieutenant Commander David L. Williams Outstanding Professor Award, to Robert L. Simeral of the NPS Center for Homeland Defense and Security. The Hamming Award recognizes innovative accomplishments that support and enhance interdisciplinary activities at NPS, especially those that encourage collaborative student efforts. The David L. Williams Award, named for the former astronaut, is presented to the faculty member of the School of International Graduate Studies who has demonstrated the greatest dedication to, and had the greatest impact on, the learning and intellectual growth of students, both in-residence and abroad.

For a full list of awardees, go to [www.nps.edu](http://www.nps.edu).

## NPS Celebrates with an Inauguration



Final preparations are underway for the Inauguration ceremony of President Dan Oliver and Provost Leonard Ferrari, which is scheduled for Monday, April 21, at 1:00 p.m. in King Hall. As a prelude to the NPS centennial, the event will highlight nearly 100 years of superb leadership at NPS. All NPS faculty, students and staff are welcome to attend the ceremony and the reception in Herrmann Hall.

In addition, there will be a black-tie dinner the previous evening, Sunday, April 20. The evening begins with a hosted reception on the Quarterdeck at 5:30 p.m., followed by dinner at 7 p.m. in the Barbara McNitt Ballroom. Also included in the evening's program are guest speakers Elisabeth Pate-Cornell of Stanford University, an NPS Board of Advisors member, and retired Adm. Hank Mauz. The evening will include dancing to the All-Star Band with vocalist Lee Durley. RSVP is required. For more information call Alan Richmond at Ext. 3649.

### IN BRIEF

- NSDM and Public Works have completed construction on the new Pass and I.D. office located at the 9th/10th Street Gate, which houses an information center and a public restroom. For ease of ingress, to streamline security policies and to enhance community relations, as of April 15, NPS personnel will no longer need to request access for visitors; rather, those who have a driver's license issued by one of the 50 states should request access directly at the new facility. Access lists will only be posted at the gate for large events and for distinguished visitors. Foreign students and their visitors should continue to request access through the base Security Manager. Defense Biometric Identification System (DBIDS) Cards can be issued for up to six months for a visitor's access, and pre-approved long-term access is available for all dependents of DoD employees.
- CAPT Kathryn Hobbs, Dean of Students, was one of two keynote speakers at the 32nd Annual Community Service Awards presented March 12 at the Monterey Plaza Hotel and Spa. Sponsored by the Volunteer Center of Monterey County, nominees were honored in nine categories.
- NPS Centennial Logo winners, Mike DiFranco and Sarah Farley have combined efforts and designed the official Centennial Logo. President Dan Oliver has given his inputs and approved the current logo. The logo will be used on lamp post banners on and around campus, as well as on limited edition NPS apparel and swag. Thanks to all who submitted a design and to all who voted for their favorite NPS Centennial Logo.



*Message From*  
**Provost Leonard Ferrari**



Our strategic plan challenges us to continue the trajectory of NPS' academic accomplishment at an accelerated pace. The recruitment and retention of world-class faculty is the foundation from which we can extend our reach to that next level of academic achievement in our educational programs, our research and our service to the Navy and the nation. We have taken a number of important steps over the last six months to address this priority.

First, President Oliver and I developed a retention bonus program for our Distinguished Professors. This program provides a salary increase in recognition of the extraordinary contributions they have made to the NPS mission and provides financial incentives for their continued tenure at NPS. Because of the salary limitations of federal employment, we are often not competitive in salary and benefits programs at the

senior faculty level with other research universities. This retention program is a significant step to make NPS more competitive with its peer institutions, and to symbolically recognize our most distinguished faculty members.

Second, we are implementing a program to put all of our assistant professors on a nine-month compensation model. That is, assistant professors will begin their careers at NPS with two years of support from the Research Initiation Program (RIP) and will have subsequent years supported on a nine-month compensation basis until the tenure decision is made. This will assure the recruitment of talented assistant professors by providing a stable support foundation for their entire time period at the assistant professor rank.

Third, the Chief of Naval Operations Distinguished Fellows program has designated the first three eminent leaders to launch this internationally collaborative program: Retired Adm. Thomas Fargo; Leon Panetta, former Congressman and Chief of Staff in the Clinton White House and retired Rear Adm., Honorable Jay Cohen, Undersecretary for Science and Technology in the Department of Homeland Security. We envision Fargo leading a research agenda on maritime security studies; Panetta, leading work in the area of globalization, reconstruction and stabilization studies; and Cohen, directing research in the area of critical infrastructure protection. These renowned leaders will provide conceptual direction and attract other distinguished fellows to NPS to engage

in areas of critical importance to the US Navy, DoD and the nation.

Fourth, we received from the NPS Foundation a \$100,000 annual fund to support faculty recruitment and retention efforts. The funds are being allocated by a committee of the four school Deans and two Faculty Council representatives, based on recommendations from an excellent report provided by a Faculty Council committee chaired by Prof. Kevin Squire.

Finally, President Oliver and I have asked Doug Moses, Associate Provost for Academic Affairs, to develop a transition plan to move to the nine-month compensation model for all faculty at NPS. This will put us on similar footing with other major research universities, and rationalize our funding model for NPS.

This entire complement of initiatives is focused on our highest priority, the recruitment and retention of world-class faculty. This will mean having to make difficult decisions in other areas, but this has to be our highest and most visible priority – the quality of our educational programs, our research and our service to the nation – all depend on the talent and intellectual strength of our faculty.

We could not have made this progress without your suggestions, engagement and support – thank you. Please feel free to contact me, the Deans or Associate Provost Moses with any additional comments or suggestions. We will continue to rely on your good ideas and support as we make needed changes to improve our institution.

**Faculty Notes**

In early March, Prof. David Henderson from the Graduate School of Business and Public Policy (GSBPP) was invited to be the lead debater on the affirmative position of the issue "The House Believes that Fair Trade is Unfair" at Cambridge University in the United Kingdom. Unfortunately, Henderson's side lost the debate.

Dr. Nayantara Hensel, also from GSBPP, presented her research at a conference at the Federal Reserve Bank of Dallas before a select group of thirty of the top economists in the U.S.

Hensel also recently served as the featured speaker at a seminar hosted by the Bureau of Labor Statistics in San Francisco, where she was granted an honorary chapter membership in the San Francisco chapter of the National Association of Business Economists. Hensel's recent research has focused on the impact of defense mergers on cost efficiencies; the role of various factors, including education and gender issues; on the discount rates of military personnel; and the pricing efficiency of the online auction IPO process and the traditional IPO process.

**New Hires**

Jason Brunton MAE Department	Brian Johnson Administrative Support Assistant	Chrystal Smith SMART Program Office
Ellen Fritz Defense Analysis	Richard Hulse Supervisory Program Analyst	Denise Vital Comptroller
Ann Hamza Institutional Research	Leana Lorio Registrar	Jon Vitalich Office Automation Clerk
Jacqueline Hope Dudley Knox Library	Sherri McMullin Dudley Knox Library	Renee Yee Office Automation Clerk

**Navy Captain Honored at Retirement Ceremony**

NPS honored retired Navy Capt. George Conner in a second retirement ceremony held on March 19, on the quarterdeck of Herrmann Hall. A recipient of the Navy Superior Civilian Service Award, Conner was recognized for his 26 years of service to the Navy and his 14 years of service at NPS. As a Senior Lecturer in Operations Research, Conner developed courses in Joint Warfare Analysis and conducted research in theater missile defense. In 1995, he became the Assistant Provost and then Director of Strategic Planning, Educational Assessment and Research (SPEAR) in 2000. Conner successfully created and implemented the lab and classroom plans, and refined the NPS Strategic Plan. His knowledge of the POM process, budgeting and forecasting were invaluable during the annual

planning cycle and led an increase in the mission funding of NPS, as well as funding for the Dudley Knox Library, the labs and the School's information technology infrastructure. Conner's efforts to bring Activity Based Cost Management to NPS helped leadership to understand the cost of educating students and providing support to faculty and staff, data which proved to be extremely valuable in working through the BRAC scenarios in 2005. His efforts in the initial development of a comprehensive Management Information System have provided a solid foundation for information management and historical data analysis for NPS. Conner's accomplishments are many, and are in keeping with the highest traditions of service to the Department of the Navy.

**CALENDAR**

**April 1** - Vice Adm. Harold D. Starling  
Commander Naval Network Warfare Command  
Secretary of the Navy Guest Lecture  
POC Protocol Ext. 2466

**April 1-3** - 14th Annual Phoenix  
Challenge Conference  
POC Michael Herrera Ext. 3670

**April 2** - Ribbon-Cutting Ceremony  
El Prado Dining Room 4 p.m.  
POC Megan Ryan Ext. 7749

**April 2-3** - Rear Adm. Leendert R. Herring  
Commander SW Region  
POC Megan Ryan Ext. 7749  
POC Winli McAnally Ext. 3416

**April 3-4** - Systems Engineering  
Oversight Council  
POC Dean Jim Kays Ext. 7860/7859

**April 3-4** - Retired Col. Jeff Williams, Astronaut  
President Guest Lecture  
ME Auditorium, 3 p.m. April 3rd. Open to All.  
POC MCCS Kiel Ext. 1068

**April 7-8** - Air Force Lt. Gen. Donald C. Wurster,  
Commander, Air Force Special Operations Cmd.  
Defense Analysis Visit  
POC Protocol Ext. 2466

**April 7-10** - Honorable James Finley  
OSD-ATL  
Dean's Lecture Series  
POC Dean Beck Ext. 2471

**April 8** - Air Force Col. Stephen M. Jones  
Commandant DLI English Language Center  
POC Warren Hoy Ext. 1110

**April 10** - Rear Adm. Michael A. Lefever  
Dir. Military Personnel Plans and Policy Division  
Speaker at FAO Conference  
POC CDR Bill Reynolds (703) 695-0792

**April 10-11** - FAO Conference  
POC LCDR Jenny Jones/Protocol Ext. 2466

**April 13-18** - International Representatives  
International Data Farming Workshop  
POC Thomas Lucas Ext. 3039

**April 14-16** - NSA Department  
Regional Studies Curricula Review  
POC CDR Mark Huber Ext. 3782  
POC CDR Troy Johnson Ext. 2067

**April 16** - Bear McConnell  
Director, Interagency Coordination  
NORAD and USNORTHCOM  
CHDS Visit  
POC Kate Lamar Ext. 2356

**April 20 - 21** - Inauguration Events  
President Daniel Oliver and Provost Ferrari  
POC Alan Richmond Ext. 3649

**April 21-25** - 25th Anniversary  
Technology Review and Update  
Short Course for Technical  
Personnel and Decision Makers  
POC Dr. Rudy Panholzer Ext. 2154

**April 22-23** - NPS Board of Advisors  
Semiannual meeting  
POC Jaye Panza Ext. 2514