MOVES Holds 8th Annual Open House

By MC2 (SW) Corey Twax

The Naval Postgraduate School Modeling, Virtual Environments and Simulation (MOVES) Institute hosted prominent keynote speakers, discussed research in Modeling and Simulation, and held demonstrations during their 8th Annual Open House and Research Summit July 15-17.

“The purpose of the open house was two fold,” explained MOVES Director Cmdr. Joseph Sullivan. “One reason we held it was to show-case the research we are doing here, so people can see what NPS is about and how it can help them. The other reason is outreach to our sponsors and end users.”

For the first time it was students who ran the Open House. This made it a very unique experience for those attending, and changed the shape of the Open House in many ways. While all the participating MOVES students experienced a role in the Open House, Marine Maj. Johnny Powers and Eric Whittington, had a substantial role in the execution of the event, according to Sullivan. The two students set up panel sessions to solicit end-user feedback, something essential to the MOVES Institute’s continuing success.

“This is what we cared and rely on in the MOVES Institute – feedback,” said Sullivan.

“The more feedback we are getting from users, the more feedback, something essential to the MOVES Institute’s continuing success.

“The students focused on getting the users of simulation, the simulation technologists and the simulation sponsors all in the same room. “By bringing these three types of people together, real progress and vision for modeling and simulation could occur,” said Whittington.

“Once here, the participants needed to move and exchange ideas. As part of growing the body of knowledge in modeling and simulation, the event provided many opportunities to receive feedback from the participants, as well as inform them. The MOVES Institute, in addition to holding keynote addresses and conducting multiple training and research presentations, held a demonstration night. One particular demonstration was the Virtual Reality Virtual at Sea Trainer or AR-VAST. Its goal is to provide the Navy and Marine Corps with training capabilities to defend against small boat attacks and for operations in littoral environments.

“Training on crew-served weapons on coalition ships has not advanced to meet this new threat,” according to Lt. Nate Conger’s thesis abstract regarding AR-VAST. “The creation of a prototype Augmented Reality Sea Trainer shows that emerging technologies in augmented reality systems can be used to create a low cost effective answer to this training need.”

Children and adults alike tested their mettle against small boat attackers, firing rounds with a full-sized .50 cal machine gun, at the AR-VAST demonstration booth.

In addition to AR-VAST, people flew helicopters and straddled down the virtual streets of desert cities and urban environments, clutching a virtual M16 assault rifle and engaging assailants. The demonstration booth boasted 20 such interactive displays for people to try out.

While many of these MS displays seem similar to displays that private industry creates, the MOVES Institute approaches their projects with a different perspective.

“Our focus is much different than private industry,” Sullivan explained. “A lot of private industry is selling products to make a profit. We don’t sell a product that may don’t relate to your organization. Then they tell you why you need their product. This creates solutions that are looking for problems.

At MOVES, we focus on training value and we find problems that are hard and sometime frustrating to solve. We look at the science it takes to represent these problems and we figure out how to use them to our advantage with MS tools. We always make sure the science is there first.”

IN BRIEF

• President Dan Oliver delivered a keynote address discussing the quality of education and research and the story of high-performance computing (HPC) at NPS during the Department of Defense High-Performance Computing An- nual Conference in Seattle. Also in attendance from NPS were HPC Technical Manager Jeff Haferman, Gabrielle Joost, an HPC specialist, and Operations Research Prof. Susan Sanchez.

• The Staff Development Advisory Committee is offering two training seminars with limited seating on a first come, first served basis in the SIGS Conference Room (HE-033), Aug. 13 is for administrative professionals. POC Toni Dickenson at Ext. 3165. The Sept. 10 seminar is on “Essential Time Management & Organization Skills.” POC Chris Ewing at Ext. 7648.

• The America’s Heroes Charity Golf Tournament will be held at the Monterey Peninsula Country Club on Aug. 12, 2008. For more information, contact retired Rear Adm. Ruck at Ext. 2427. On Aug. 15, the NPS Foundation will be supporting Motorworks at the Monterey Jet Center. Contact Katie Van Dahlen at kavandol@nps.edu to volunteer.

• The award formerly known as the Associate Secretary of the Navy (Research, Development and Acquisition) for Excel- lence in Acquisition is now the Commander Philip A. Murphy-Sweet Memorial Award for Excellence in Acquisi- tion. The award was renamed to honor the memory of the late Commander Murphy-Sweet, a 2002 NPS graduate who was a Contracting Officer for the Joint Contracting Command-Iraq/Afghani- stan in Baghdad, Iraq, where he was killed on April 7, 2007 by a suicide bomber.

• The MAE Department is sponsoring the Boeing Technology Exposition on Aug. 7, in which the company will share its technologies, processes and advanced systems in the inter- est of identifying collaboration opportunities of mutual ben- efits, and discussing future areas of interest that align with the NPS - Boeing CRADA. For further information: http:// intranet.nps.edu/Announcements/Postings/tracks/BoeingExpo_Aug2008.htm

WASC Capacity and Preparatory Review Coming Soon!

Efforts in preparing for the next reaffirmation of accreditation with the regional agency, the Western Asso- ciation of Schools and Colleges (WASC) are moving ahead briskly. The Committee on Preparatory Re- view Task Force (CPR), which was formed to support the next stage of the accreditation process is focusing efforts on a self-study based on the proposal submitted by NPS to WASC in October 2006; which can be found at: http://intranet.nps.edu/WASC/docs/WASC_Final_Proposal.pdf.

In preparation for the WASC Cap- acity and Preparatory Review visit to NPS in March 2009, the CPR CRP task force has met regularly throughout the past year to discuss and outline the responses required in the CPR self-study report, which will be sent to WASC in December 2008. For the CPR report, committees are re- quired to address the administrative, fiscal, physical, technical, research and other resources and systems that support the enterprise. To ac- complish this task, the CPR task force has been gathering data on policies and regulations as well as business processes. In June, a short survey of student assessment and faculty development processes was sent to each department. The resulting data has been analyzed and will soon be posted on the Intranet. A draft of the self-study has been created, as in the final phase of review by the commit- tee, and is expected to be distributed to campus leadership for their com- ments later this month. There will also be an opportunity for the entire campus to read and to comment on the document, as well as presentations to the major governance committees and councils.

In addition to outlining the history, changes in context, programs and re- sources of NPS, the report titled Cap- acity and Preparatory Review - 100 Years of Relevance and Excellence: Ed- ucation and Research Serving National Security, addresses the general results of the self-study as it relates to four standards: 1) Defining Institutional Purposes and Ensuring Educational Objectives, 2) Achieving Education Objectives Through Core Functions, 3) Developing and Applying Resources and Organizational Structures to En- sure Sustainability, and 4) Creating an Organization Dedicated to Learning and Improvement. In addition, the document addresses three themes: Strategic Planning for the Next Cen- tennial, Integrating a Campus-Wide Program of Improvement, and Sup- porting an Evolving Academic Enter- prise. More information on the WASC process can be found at http://www.wascconference.org/.

The CPR committee is chaired by Ms. Eleanor Uhlinger, Head Librarian of the Dudley Knox Library, and its members are Dr. Christine Cer- mack, Vice President of Information Resources and CIO, Mr. Kevin Little, Executive Director for Business Af- fairs and Comptroller, Ms. Danielle Kuska, Dr. Douglas Jones, Vice Director of Research and Sponsored Programs Office, Dr. Doug Mothes, Vice Provost for Academic Af- fairs, Ms. Debbie Baity, Deputy EEO Officer/CHEO Officer, and Dr. Fran Horvath, Director of Institutional Planning and Communications.

Naval Postgraduate School Monterey, California

August 2008
Message From Interim Dean of SIGS James Wirtz

I’ve often thought that if our university did not exist, it would have to be created. Nowhere else can one find such outstanding faculty, motivated research sponsors, and dedicated and experienced students addressing issues of national and international security. This synergy fosters a truly applied research program that is highly relevant to the national security and the world at large. The academic calendar is eleven months long to best exploit our most valuable asset – student time. Faculty undertake field work, consult directly with sponsors, interact with military units in the field, and develop new programs, while building their reimbursable and scholar- shiply acceptable. This is a portfolio that is not found in civilian institutions.

Churning of constant changes foster innovation. The School of International Graduate Students (SIGS) is a recognized asset because its faculty and students often develop programs in anticipation of sponsor needs. The SIGS offices in the Department of National Security Affairs and the Mobile Education Teams are operations research and education programs in anticipation of sponsor needs. The new program in Interdiction Studies has been initiated by the Center for Homeland Defense and Security. The Center for Homeland Defense and Security and the Office of Interdiction have a path-breaking, distance-learning program that are creating a national cadre of state, national, and federal officials to tackle the emerging challenges of homeland security and homeland defense.

The 추리적 reasoning and cultural construction of markets, particularly rational approximation and artificial intelligence, is a critical area of research in the Department of Economics. The School of International Graduate Students (SIGS) is a recognized asset because its faculty and students often develop programs in anticipation of sponsor needs. The SIGS offices in the Department of National Security Affairs and the Mobile Education Teams are operations research and education programs in anticipation of sponsor needs. The new program in Interdiction Studies has been initiated by the Center for Homeland Defense and Security. The Center for Homeland Defense and Security and the Office of Interdiction have a path-breaking, distance-learning program.

Faculty Notes

Prof. Nick Dew from GSBPP convened a research working group on entrepreneurship and innovation at Stanford University for a day-long series of presentations, debate and review of working papers. The event was jointly hosted by the GSBPP and the Scandinavian Center for Organiza- tions Research at Stanford. Prof. Marc Ventresca from GSBPP also presented his research at the conference along with colleagues from IMD in Switzerland, Williamette University, the University of California at Davis, the Darden School at the University of Virginia and Chalmers University of Technology in Sweden.

Prof. Daron Acemoglu, James Brett Michael, Thomas W. Orani and Mans Tak Shing, who authored the paper titled “UML: Statechart-Based Aser- tions Library for Improved Reliability and Assurance” received the Best Paper Award from the 2008 IEEE Interna- tional Conference on Secure System Integrity and Reliability Improve- ment held in Yokohama, Japan, on July 12-14, 2008.

Prof. Marc Ventresca from GSBPP presented a research paper on “Intermediaries and the Making of Carbon Markets in Europe” at the recent meeting of the European Commission on Business, in Milan, Italy. The paper explores basic issues in the institutional and cultural construction of markets, with a focus on the role of public and private intermediaries that redefine the value chain of the emerging carbon economy. The research is a collabor- ative project with colleagues at the Martin Institute for Science & Civiliza- tion at the University of Oxford and at the E.M. Lyon School of Management in Lyon, France.

Prof. Udai Apte of Operations Management, GSBPP, was elected as Vice President for Colleges, Production and Operations Management Society (POMS). His four-year term began at the POMS annual conference held in San Diego in May 2008.

Prof. S. Bremmer and Jonathan E. Czarnecki of the Naval War College, Monterey, Research Articles


In Peace and War – Interactions of American Naval History published by Greenwood Publishing Group, was co-edited by Kenneth J. Hagan and Michael T. McMaster and in- cluded essays by the editors and Jan S. Bremner and Jadranka Czarnecki of the Naval War College, Monterey, Research Articles

For a look at the link to the article at: http://spica.nps.edu/Fricker8-08-AMST-NEWS.pdf

Books:

Donald Stoker of the U.S. Naval War College Monterey Program recently published his third book, “Military Ad- visory Assistance, 1815-2007: From Mercenaries to Privatization.” Investigations of Warfare ( Rout- edge, 2008). This edited volume, the only overview of the history of military advising, includes articles by Douglas Porch of the NSA Department, as well as contributions from former NPS students Christopher Mueller, John Byrom and William Gruber.  


August 11-12 Rear. Adm. Robert W. Willard, USPACFLT

NPS Site Visit - PACFLT

POC Mike Dinkle Ext. 7781

August 12

American Hero’s Golf Tournament

NPS Foundation

POC Katie Vandehal Ext. 2634

August 13

Staff Development Advisory Committee Training for Administrative Professionals

NPS Conference room HE-033

POC Tony Dickerson Ext. 3165

August 25-29

Retired Lt. Gen. Thomas Burnett

Development and Education for Sustained Peace

NPS Site Visit - PACFLT

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