As summer wanes and the new semester approaches, I hope all of you found time to enjoy the weather with family and friends. I do not need to tell any of you that this has been a very difficult year of budget reductions for UNH. That said, I am so impressed by the willingness of people in the Office of the Senior Vice Provost for Research to think of new ways to work together to advance and support research at UNH. Because we are all so busy and sometimes forget to share our work with one another, this monthly newsletter will help to keep us all in the know.

Thanks again for the work that you do!

Jan Nisbet

SVPR’s Corner

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Dynamic Response Platform and ERMA®

The Dynamic Response Platform (DRP) is a web-based geographic information system (GIS) tool for assisting emergency responders and campus managers in addressing incidents that may adversely impact the community. The DRP integrates and synthesizes various real-time and static data-sets into a single interactive map that provides fast visualization of a given situation and improves communication and coordination among responders. It allows responders to view floor plans of any campus building, along with databases of information that are linked to it, including, but not limited to, chemicals in each room, extinguisher locations, class/event schedules, underground utilities, and weather conditions.

The core DRP software uses the Emergency Response Management Application (ERMA®) that was developed at UNH. Developers included members of the Complex Systems Research Center, the Center for Coastal and Ocean Mapping, and Research Computing & Instrumentation (notably technical lead Robert St. Lawrence and information technologist Philip Collins). A team of engineering and business students, under the leadership of Dr. Nancy Kinner, created DRP by tailoring the tool to meet the specific needs of a campus environment. The DRP team took first place in the 2011 WSBE Paul J. Holloway Prize Innovation-to-Market Competition in May.

Work on DRP continues with the assistance of many campus partners: the Coastal Response Research Center, Environmental Health & Safety, Emergency Management, Research Computing & Instrumentation, UNH IT, Energy & Campus Development, and Student & Academic Services. The current effort is focused on setting up a production server at the UNH IT data center and replacing some static content with real-time access to external data sets, including building plans and time/room schedules.

ERMA®, was used as the Common Operational Picture for the federal agencies during response to the Deep Water Horizon Gulf of Mexico Oil Spill.

"Rest is not idleness, and to lie sometimes on the grass on a summer day, listening to the murmur of water, or watching the clouds float across the sky, is hardly a waste of time." - John Lubbock
InfoEd Update: PD Implementation

InfoEd’s Proposal Development (PD) module provides investigators with an online portal for preparing, submitting and tracking their grant applications. A PD Implementation Team led by OSVPR staff has been working for a number of years to address the business process and other technical issues related to adding this module to the UNH system.

InfoEd V13, a new version of the software expected to be released in the fall, promises to solve many of the issues that have delayed implementation of PD at UNH. In particular, creating budgets will be easier, and it now will be possible to migrate completed budgets from PD into the Proposal Tracking (PT) function already being used.

While awaiting the release and installation of V13, the Implementation Team is developing an electronic version of the Institutional Approval Form (yellow sheet) and processes for electronic routing and approvals.

Rob Anderson, Tammy Goldberg, Victor Sosa and Scott Troy make up the Core Group of the PD Implementation Team. Other staff from Sponsored Programs Administration and Research Computing and Instrumentation are providing support. Campus partners in the departments, colleges and BSCs will help test the system before it is introduced campus-wide.

Changes made to Intellectual Property Policies

The many policies connected with protecting UNH intellectual property (IP) have undergone review and revisions over the past few months, according to Marc Sedam, Office for Research Partnerships and Commercialization.

The Intellectual Property Policy was refined to reflect recent court rulings and to clarify the circumstances under which undergraduate students do or don’t own their IP.

UNH’s first “Facilities Use” policy was created to govern how third parties (including start-ups) work on campus and make the process consistent and transparent.

A request has been submitted to the Faculty Senate to have faculty sign the Acknowledgement of IP Policy (formerly known as the IP Participation Agreement) during new faculty orientation.

Lastly, there are adjustments and clarifications forthcoming to separate sponsored research from work-for-hire; the major concept is that work-for-hire should be the exception, not the rule, at UNH.

UNH Research Website Redesign

The new UNH Research web site brings the tools and services provided by all the Research Office support units to a single, user-oriented site created using best practices for web design. The underlying principle of the site is to provide information as the user will look for it.

Sections of the site provide office information; showcase the breadth and depth of the research, scholarship and creative activity taking place at UNH; provide an entry point for businesses seeking to become involved in UNH research; and point to tools and information for the UNH community.

Revamping of the website was conducted with input from internal and external stakeholders, the design services of PixelMEDIA and the implementation and training services of UNH IT’s Web Solutions.

Well-received since its launch in mid-March, the site has undergone design refinement to reflect user needs. Addition of content and site usability optimization will be an ongoing activity.

Lynnette Hentges (Office of Research Development and Communications) coordinated the project and now serves as the web master. Web site editors from each service unit played a key role in the conversion and continue to be important members of the website maintenance team.

The web site editors are:

Ken Brown  OEHS
Dianne Hall  SPA
Patrick Messer  RCI
Julie Simpson  RIS
Paige Smith  ORPC
John Wilderman  UIC
Paige came to ORPC from Powerspan, a Portsmouth company in the clean technology field.

Gretchen Smith (Project Director III) joined ORPC in June, though she had been with ORPC on a temporary basis since October. Gretchen serves as Project Manager for the New Hampshire Innovation Research Center (NHIRC). She also will be the project manager for ORPC’s new invention management system—TechTracS.

ORPC has instituted a robust internship program with the UNH School of Law, taking advantage of its excellent students who focus on intellectual property. Emily Thompson is working on data integrity for TechTracS and assists Maria with invention evaluation. Lynn Szymanski is a summer hire learning about technology transfer and helping with data entry and data integrity for TechTracS. Patrick Kim worked on UNH engineering inventions last semester and likely will rejoin ORPC in the fall.

Jennifer Sorrell joined Research Computing & Instrumentation (RCI) in February 2011 as Sr. Program Support Assistant. Jennifer came to UNH from the Rockingham County Sheriff’s Office where she was the executive assistant & accountant. Since her arrival, Jennifer has been instrumental in advancing several RCI initiatives including marketing and communications, billing, budgeting and accounting, and customer service.

In November, Marc Sedam (Executive Director) arrived to lead ORPC and help accelerate the commercialization of UNH technologies. Marc most recently was the Chief Operating Officer of Qualyst, a biotech company in Research Triangle Park, NC, he helped found and grow to be the world’s experts in the study of drug transporter interactions. Prior to that, Marc was the Associate Director of the UNC-Chapel Hill technology transfer office.

Paige Smith (Senior Program Support Assistant) joined ORPC in April. Paige’s primary responsibilities are to assist Marc in the day-to-day scheduling and operation of the office.

The Office for Research Partnerships and Commercialization (ORPC) has changed greatly over the past year. The only remaining staff member from FY2010 is Maria Emanuel (Licensing Manager) who has been with ORPC since 2006 and presently manages all UNH inventions. Maria is the primary contact with UNH faculty and most importantly serves as our institutional expertise (and memory) in the tech transfer enterprise.

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15 OSVPR office members were among the 265 staff honored in May for achieving benchmark years of service:

- Kathy Cataneo - Research Development & Communications
- Marilyn Qua - Sponsored Programs Administration
- Mark Maciolek - Research Computing and Instrumentation
- Andrew Baldman - InterOperability Laboratory
- Philip Collins - Research Computing and Instrumentation
- Diane Gingras - Sponsored Programs Administration
- Andy Glode - Environmental Health & Safety
- Michelle Gregoire - NH EPSCoR
- Dianne Hall - Sponsored Programs Administration
- Lynnette Hentges - Research Development & Communications
- Christine Jamiol - Research Computing and Instrumentation
- Peter Scruton - InterOperability Laboratory
- Robert St. Lawrence - Research Computing and Instrumentation
- David Woolf - InterOperability Laboratory
- Kari Younsi - InterOperability Laboratory

David Gillum left the OEHS to become Associate Director of Biosafety & Biosecurity at Arizona State University.

Bev Reid (SPA) and Linda Wade (Marine Programs) retired from UNH.

Suzanne Huard (RCI) also retired, but has been working on a part-time basis on the InfoEd PD implementation and other IT projects.

Wendy Zimbone, who served as ORPC’s first intern throughout FY2011, graduated law school and is now a business development associate for UMass Lowell’s M2D2 incubator.

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