Greetings Alumni and Friends,

We wait all year for summer to arrive in the Pacific Northwest. I hope you are enjoying the season and all that it offers.

Summer at the University of Washington Bothell also allows us an opportunity to reflect on the accomplishments of the academic year.

We witnessed the official recognition of UW Bothell’s first schools: the School of Interdisciplinary Arts and Sciences and the School of Business.

The year began with record enrollment and with the opening of Husky Village, a residence hall which serves 240 students today. In 2012, we held the inaugural Innovation Forum. The college selected Dr. Leslie Ashbaugh, as the recipient of the 2012 Distinguished Teaching Award for her active engagement with students both in and out of the classroom.

Recently, we broke ground on our new Science and Academic Building, due to be completed in 2014. Just weeks later, we began construction on the student-funded Sports and Recreation Complex, which will be open in the fall. Finally, we expect to begin construction on the Sarah Simonds Green Conservatory in August.

Most importantly, this year we awarded degrees to more than 1,300 graduates who will use their UW Bothell education to improve and enhance our world.

In this issue of Insight, we highlight another burgeoning program at UW Bothell, Computing and Software Systems, which is developing a highly sophisticated cyberdefense education program to prepare students for careers in online security, a specialty of increasing importance for industry and government.

We can’t wait to welcome the class of 2016. It promises to be yet another exciting year!

Kind regards,

Kenyon S. Chan
Chancellor
UW Bothell’s 21st Commencement ceremony was a true record-setter. During the event, which was held June 10 in the Alaska Airlines Arena at Hec Edmundson Pavilion, an unprecedented 1,300 baccalaureate and master’s degrees were awarded, and 48 students were recognized for receiving their Washington State teaching certificates. UW Bothell also awarded its first Master of Computing and Software Systems degrees.

Keynote Speaker Wendy Lawrence, former NASA astronaut and retired Navy Captain, counseled the graduates to pursue significance, to ask “how do you want to be remembered? What will your legacy be?” Lawrence regaled the graduates, families and friends with personal examples from her own career as an astronaut and naval officer. As is tradition, the outgoing ASUWB president delivered the student address. In his speech, Frederick Hensen acknowledged the faculty, and urged his classmates to stridently follow their passions while committing themselves to the public good.

During the ceremony, a number of students, faculty and alumni were honored for exemplary performance including: Chancellor’s Medalists, R. Christopher Randall and Jebediah Pavleas; President’s Medalist, Christopher Duong; UW Bothell Distinguished Alumnus of the Year, Holli Martinez; and Leslie Ashbaugh, Distinguished Teaching Award.

Recent graduates are encouraged to keep their inner Huskies well-fed by joining the UW Alumni Association. Learn more at uwb.edu/alumni/newgrads. Alumni are invited to send news and career updates to alumni@uwb.edu for possible inclusion in future issues of Insight.

Congratulations to the Class of 2012
PATROLLING THE INTERNET:

UNIVERSITY OF WASHINGTON BOTHELL PREPS A NEW GENERATION OF CYBERSLEUTHS
Congratulations. You just received a $1 million estate settlement from some forgotten relatives in Nigeria. But oh no! Your good friend was mugged in Holland and needs you to wire money, now. Plus, your email administrator is threatening to shut down your over-quota account if you don’t immediately provide an updated user name and password account. You might as well throw in your credit card and Social Security numbers while you’re at it. It will cut down on work for the cyberthieves hacking your computer and phishing for information that can make them very, very rich.
Cyberattacks might have once been the work of a single techno-geek eager to show off his hacker chops. No more, say the University of Washington Bothell faculty members who are training a new generation of sleuths to go after the bad guys wreaking havoc on the Internet. “The problem has progressed from individual hackers to large organized efforts that are well-funded and supplied with sophisticated tools,” says Mark Kochanski, UW Bothell senior lecturer and owner of an independent IT consulting firm. “Nearly every organization now is at risk because of the sophistication that exists in the hacking community.”

Today, almost 30 percent of website traffic is tied to data extractors, hacking tools searching for sucker holes in a site, or “spies” collating competitive intelligence. And it’s not just grandma’s computer being compromised. Big businesses, small businesses, and government agencies are top prey, including the U.S. Department of Homeland Security, barraged with thousands of cyberattacks every 45 minutes.

Doing the dirty work, say FBI officials, are organized crime groups threatening financial sectors, foreign governments pilfering data, and terrorists groups looking for ways to disrupt our country.

“Today, our intellectual property and our defense as a nation are on the line,” says Lucas Reber, whose IT title recently changed from Information Architect to Information Assurance Architect, in charge of security and risk management at UW Bothell. That title change is a sign of the times for the institution.

The Computing and Software Systems program is making bold, innovative moves that will put it in the front lines on cyber battlefields, with expanded curriculum, research, and exciting collaborations and programming. “We are committed to building out a comprehensive and rich environment for cyberdefense education,” says Mike Stiber, Computing and Software Systems program director.

Computing and Software Systems has always worked closely with local industries to bring a real-world focus to the classroom, to create new systems that have an immediate impact on industry needs, and to foster creative professionals who can lead company innovation. The UW Bothell faculty collaborates with companies on research, brings industry leaders into classrooms, and, always stays abreast of industry concerns.

Today online security tops that list of concerns. “We’re hearing that industry leaders are desperate for people who are savvy about making their systems more secure and dealing with penetrations,” says Stiber. “And it’s no longer a matter of trying to protect systems from being compromised. You can assume most systems are compromised. Then you have to figure out how to deal with that.”

To prepare those savvy new professionals, Computing and Software Systems has added a new cybersecurity course for undergraduates and will, in fall of 2013, offer a new undergraduate concentration in cybersecurity that will cross all three UW campuses: Bothell, Seattle, and Tacoma. Students can study classes on any campus or, in some cases, take coursework through distance learning.

Also in fall of 2013, the department plans to add a new master of science degree in cybersecurity. This summer, the faculty is working with an advisory group from industry to discuss development of the new program.

The existing master’s program already offers a course in secure software development – an area of research concentration for Kochanski. “One reason we have the problems we do today is because software developers did not do a good job of considering the significance of security threats in the first place. The question now is: How do we make it so that security is part of normal software development, rather than an add-on or an after-thought.”

The Computing and Software Systems department is also actively expanding links with the Northwest cybersecurity community, on campuses and off. “We’re trying to build connections to local professional groups and enthusiast groups, so students can have access to other thought leaders in the area,” says
Reber. "We’re an innovative campus; we’re still building new programs, and those characteristics allow us the flexibility to bring in all these outside collaborators."

Keeping up with online thieves, extortionists, and terrorists is challenging. Devious tactics can change by the day, the hour, the moment. “It’s always escalating,” says Reber. “Cybersecurity is a great industry for people who really like to keep learning.”

To help instill on-the-go flexibility and self-learning in students, the Computing and Software Systems program and its colleagues have set up a virtual environment for practicing cybersecurity skills. This virtual spy vs. spy world teaches students not only how to protect against the enemy, but how to attack it. Figuring out how an evil virus functions, they can duplicate it and throw it at an environment to study how it spreads, then use this knowledge to fortify security skills. “It’s a sandbox where students can practice new things,” says Stiber. “If it blows up, we re-set it, and do it all over again.”

UW Bothell was able to use these servers for the Pacific Rim Regional Collegiate Cyber Defense Competition in March, a two-day competition that requires teams to maintain Internet services for a fictional company, even as they are attacked by a “red team” trying to vandalize and break into their network. As they defend against attacks, they are bombarded with work tasks from bosses and requests for presentations from the board of directors.

It was the first year of competition for UW Bothell. The pace, says recent Computing and Software Systems graduate Don Wise, was intense. But the UW Bothell team was canny. At one point, the red team left a USB drive at each work station, says Wise, the team leader. “Some of the teams plugged it in, and it had a big voracious virus on it. Fortunately, we didn’t.”

The UW Bothell team was zealous in their defense – even a little overzealous. They not only blocked out the evil-doers, they blocked out the connection to the contest’s scoring mechanism. “We got hosed on that,” says Wise, an employee at The Boeing Company, who, like so many UW Bothell students, has worked full-time even with a full-time college workload.

The UW Bothell team finished a very respectable fifth out of 11 teams in the competition. “Our students did great,” says Kochanski, who advised the team. “We heard lots of remarks about how professional they were, how well prepared they were, that they were very well-rounded and could deal with all types of requests and issues. A key aspect was how they interacted with management, how they could translate technical matters into business terms.”

That ability to turn tech talk into plain talk is one of the hallmarks of the interdisciplinary Computing and Software Systems program, where students combine computer science classes with software engineering, project management, and technical communications classes that teach them management structures and how to assess the core needs of a company. “Being able to take highly technical information and present and summarize it in an accurate way that is accessible to the public is something our students will have to do in the real world,” says Stiber.

Computing and Software Systems students are already in training for the 2013 competition, under the coaching of Wise. He has formed a formal student group called the Gray Hat Society. The Gray Hats, unlike the evil Black Hats and the do-gooder White Hats, are the professionals who hack into systems to try to understand security holes so they can fix them.

The 2013 team is looking strong, he reports. And the training they’re getting is invaluable. “Cybersecurity is the next generation of a cold war,” says Wise. “Hacking is big, and it’s important, and the skills we are learning at UW Bothell are very necessary for the near future.”
With the 2011-12 academic school year coming to an end, the University of Washington Bothell says goodbye to one of its most beloved professors, Dr. Diane Gillespie. She is retiring from her faculty position to focus on research she has been conducting for an international nonprofit group called Tostan whose work is based in Africa.

“I started research there when I went on sabbatical in 2006,” says Gillespie, whose sister is the founder and executive director of the organization. “I am working with a team of researchers studying its approach to human rights education.”

Gillespie came to UW Bothell in 1998 to teach educational psychology in the School of Interdisciplinary Arts and Sciences, just eight years after the campus was founded. She quickly became a key contributor to the growth and development of the school, says Bruce Burgett, the school’s director.

“Diane has been absolutely critical to developing a culture that is collaborative, collegial, and focused on the success of everyone,” he says. “She has made the school a better place to teach and do research. She leaves a wonderful legacy and we will miss her greatly.”

In 2010, Gillespie was awarded the school’s Distinguished Teaching Award. During her tenure, she mainly taught undergraduate students studying in the Interdisciplinary Arts and Science’s community psychology and society, ethics, and human behavior degrees, while also contributing to its graduate programs in policy studies and cultural studies.

“My role as a teacher is to make enough room and space for people to kind of experiment with what their talents are, what they want to be doing, and then to allow them to take risks and to explore the subject matter,” she says. In this way, she has tried to help students find their calling and talents.

She also mentored junior faculty by working in close collaboration with them. “She links her success to the success of others,” Burgett points out. “She sees the growth and development of every individual as inseparable from the growth and development of the whole. I think she is pretty unique that way.”

Over the last school year, Gillespie led a senior seminar on Tostan. As a service-learning project, students conducted research on nonprofit groups that offer human rights training and then presented an executive summary to Tostan staff members via Skype on dimensions to consider when planning a training institute.

Although Gillespie says leaving UW Bothell is the hardest decision she has ever made, the work with Tostan is where she needs to be right now. She says she will miss her colleagues and students. “Leaving is not an easy thing to do.”

“Diane has been absolutely critical to developing a culture that is collaborative, collegial, and focused on the success of everyone.” — Bruce Burgett, Director, School of Interdisciplinary Arts and Sciences
Golfing For A Cause

The First Annual ATCO Golf Tournament supporting the Natalie Kay Lang International Student Scholarship was held June 4. Lang was an international advisor who was devoted to her students. The event was a great success and raised more than $4,900 for the scholarship, which benefits international students studying at UW Bothell.

A total of 28 people participated in the four-person scramble that was held at Snohomish Golf Course. Tournament winners include:
- **First Place**: Keith Binney, Quang Le, Dallas McCormick, Cecilia Porro
- **Putting Contest**: David Zahina Jr.
- **Closest to the pin**: Scott Haeger
- **Longest Drive**: Mark Gifford

A special thanks goes out to the Lang family for all of the hard work they put in toward the event and for their dedication in raising money for international students here at UW Bothell. Keep an eye out for the second annual tournament next spring which is sure to be even bigger and better!

By Stacey Schultz

Social Justice For Soldiers

When Liam McGivern graduated from University of Washington Bothell in 2009, he knew one thing. “I knew that I wanted to do something working on behalf of marginalized people, but I wasn’t really sure what form that would take,” he says. With a major in global studies and a minor in human rights, he set off for law school thinking he would eventually work on international issues.

But while studying at the University of Miami School of Law on a public interest scholarship, he quickly discovered that many people closer to home also need help. “I saw how much need there was in the local community and so my focus shifted from international to local advocacy,” he says.

McGivern began volunteering at Legal Services of Greater Miami where he started out in the military law unit. The first case he worked on involved a marine who suffered a brain injury while serving in Iraq. While recovering, the soldier was Other Than Honorably discharged from the military after his behavior failed to meet military standards. The brain injury was not considered a factor in the soldier’s discharge status.

McGivern soon learned that there are many soldiers who experience brain injuries or have undiagnosed post-traumatic stress disorder and are similarly discharged from the military. “They are permanently denied benefits in some cases,” he says. “I saw a great injustice that there wasn’t enough being done to change how these soldiers were perceived and that was coupled with the discovery of what a widespread problem this is.”

McGivern, now 28 years old, will spend the next two years working at Legal Services of Greater Miami on these “discharge upgrade” cases. He has received a prestigious Skadden Fellowship award to do this work and just graduated magna cum laude from law school.

His former UW Bothell professor Julie Shayne recalls McGivern’s love of learning and commitment to hard work. “I believe Liam went to law school because he thinks law is the best way to advocate for social justice,” she says. “In other words, he sees his legal training and degree as a form of advocacy; his degree is to be shared rather than used solely for his own personal financial success.”

By Stacey Schultz
5K Run-Walk

The Alumni Council’s 7th Annual 5K Run-Walk attracted more than 540 participants, 50 volunteers and hundreds of supporters, on the morning of May 19, 2012. The number of participants exceeded last year’s figure, and this amazing event continues to grow. The rain missed the event again this year, making conditions perfect for a great race. More importantly, the event contributed over $11,000 to University of Washington Bothell student scholarships.

In addition to generating money for scholarships, the race met many other important goals, such as engaging UW Bothell alumni and drawing community members and neighbors to the campus. The winners were Paul Abdalla in the men’s category with a time of 16:42, and Meghan Lyle for the women with a time of 17:38.

A special thanks and congratulations to the UW Bothell Alumni Council and volunteers, along with the faculty, students and staff who ran or walked in the event. Thanks also to the event’s many sponsors, without whom the event would not be possible, including Evergreen Health, Cascadia Community College, and M.O.M.S Fine Foods Catering.
Notes from the Chair

- It’s hard to believe another academic year has passed; time flies when you’re busy and having fun! The Alumni Council has elected a new slate of leaders. All alumni are invited to get to know the new officers by attending a council meeting (always open to the public) or by attending an event.

The roster of new council program representatives, committee chairs and at-large members can be found online at: http://www.uwb.edu/alumni/council.

UW Bothell Alumni Council 2011-12

EXECUTIVE COMMITTEE:
Chair: Curtis Takahashi (IAS ’04)
Chair-Elect: Michelle Gamboa (CSS ’05)
Secretary: Leiann DeVelder (IAS ’99)
Past Chair: Mary Howisey (IAS ’02)
Awards & Recognition Chair: Sarah Amos Bond (IAS ’98)
Legacy & Spirit Chair: Michelle Huynh (MBA ’10)
Membership & Marketing Chair: Hillary U (IAS ’10)

Here is a sampling of events sponsored, hosted, and attended by University of Washington Bothell alumni over the past few months.

- Sponsored by the UW Bothell Career Center and the Women in Leadership Development Club, Resume Review Night is an annual event that provides the opportunity for current students to have their resumes reviewed by a variety of professionals. As in past years, Alumni Council members lent their skills as reviewers and provided feedback to student attendees. We really enjoy this opportunity to connect with students in a meaningful way.

- In June, the Alumni Council (along with the Office of Advancement) hosted a table at the Vintage Bothell Wine Walk on Main Street, a quarterly event put on by the Greater Bothell Chamber of Commerce (directed by two UW Bothell alumnae). This popular event allowed us to come in contact with a few hundred local community members and gave us the opportunity to talk about UW Bothell and all the exciting things going on there. We even had a young woman tell us she applied (and was accepted) to our MBA program based on talking with us!

- Since its launch in January, HOTT (Huskies on the Town) has continued to grow in popularity. The final HOTT of the season was held at the Beach House Bar and Grill in Kirkland, a great location for enjoying the sun and a cool drink while catching up with fellow alums. HOTT will start up again in the fall, so be on the lookout for details.

- Hosting a table at this year’s Grad Fair gave us an opportunity to interact with all the graduates who opted to walk at Commencement. We passed out Grad Packs to 183 new UWAA members. At Commencement, our mortar board decorating table is always popular, and a fun way to connect with grads on their special day.

- As outgoing chair, I would like to thank everyone on the team for making my term successful and fun, and to wish incoming chair, Curtis Takahashi, and the rest of the council all the best for a great year. Stay tuned for everything the group has planned, and feel free to join us anytime — we meet on campus the first Wednesday of the month at 5:30 p.m.

Any questions? Contact us at alumni@uwb.edu.
MARK YOUR CALENDARS

UW VS. LSU VIEWING PARTY
Saturday, September 8
Dub Pub in Kirkland

CONVOCATION
Sunday, September 23
Mobius Hall

FIRST DAY OF FALL QUARTER
Monday, September 24

HUSKIES LEND-A-PAW ALUMNI COMMUNITY SERVICE DAY
Saturday, October 6

UW VS. USC TAILGATE PARTY
Saturday, October 13
CenturyLink Field

Save the Date

NURSING AND HEALTH STUDIES PROGRAM
20th Anniversary Celebration
November 2 | Mobius Hall

The University of Washington is committed to providing access, equal opportunity and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodation contact Disability Resources for Students at 425.352.5307, TDD 425.352.5303, FAX 425.352.3581, drs@uwb.edu.