



ORANGE SHIRT DAY

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THE RING

OCTOBER 2018

The University of Victoria's
community newspaper

ring.uvic.ca



University
of Victoria

SPEED READ

STRATEGIC FRAMEWORK

President's Campus Update video online

If you weren't one of the 300-plus faculty and staff who attended the Sept. 19 town hall-style event officially launching the university's Strategic Framework, you can still watch the proceedings online. Hosted by UVic President Jamie Cassels, panelists Robina Thomas (IACE), Neil Burford (chemistry) and Chandra Beaveridge (University Systems) discussed how they were working to bring the framework to life in their areas, and Cassels outlined a number of future investments and initiatives to support the framework priorities.
bit.ly/uvic-update

PHILANTHROPY

Vikes breakfast breaks \$5 million

This year's Vikes Championship Breakfast raised \$575,000 for student-athlete scholarships, bringing the cumulative 11-year total to \$5 million since the inaugural event in 2008. For five years since the inaugural 2008 event, UVic provided a match for the first \$150,000 raised, but since 2013 that amount has been increased to \$200,000. The Vikes Championship Breakfast is the largest annual fundraising event for Vikes Athletics. The support generated by the event helps with both recruitment and retention, allowing Vikes Athletics the opportunity to compete at the highest level, year-in and year-out.



Manners. UVIC PHOTO SERVICES

43K+

NUMBER OF
ACADEMIC
CITATIONS MADE
TO IAN MANNERS'
PUBLISHED
RESEARCH
ARTICLES

Materials science poised for advances

Renowned UK chemist Ian Manners joins UVic as Canada 150 Research Chair

BY JODY PATERSON

In the Age of the Enlightenment, scientists turned their analytical minds to studying ancient observations on the properties of metals and minerals. Materials science was born.

Those 18th century researchers couldn't have imagined how vital materials science would be to the world three centuries later. The arrival of renowned UK chemist and materials scientist Ian Manners this fall as UVic's Canada 150 Research Chair

underlines the university's determination to take its place as a world leader in the growing field.

Developments in materials science at UVic bring international recognition for researchers in the faculties of science and engineering, and drive innovation at UVic's Centre for Advanced Materials and Related Technology (CAMTEC).

The self-assembly breakthrough

Manners and his research team at his former University of Bristol, along with

collaborators, made a game-changing discovery a decade ago that some polymer-based materials can be made to "grow." That finding has taken materials science in previously unimagined directions, and helped to make Manners one of the most oft-cited inorganic chemists in the world.

"Here at UVic, you can see that the leadership wants UVic to be a top institution. It's a team on the way up," says Manners about his decision to relocate to UVic.

SEE MANNERS P. 4

Social startup empowers artisans

BY SASHA MILAM

Dara Jarallah, a Master of Global Business student at UVic's Sardul S. Gill Graduate School of Business, has spent the last two years growing her social startup business, Shoppinglee. Her aim: to empower marginalized artisans around the world, starting with communities in her native Palestine.

"I want to break the cycle of dependency that so many artisans—especially women—are trapped in," says Jarallah. "Shoppinglee was started to break these chains, to break out of the cycle that puts you in a position of dependency and cycle of weakness."

The business, founded in 2016 while

Jarallah was completing her undergraduate degree, originally aimed to do this by offering an online platform that connected buyers around the world with artisanal products made in Palestine such as wall hangings, jewelry, clothing and handbags. As the determined young entrepreneur continued to build connections with communities around the world, however, the business soon added artisans and business partners in Haiti, then Peru. They now partner with 13 organizations of different sizes around the world.

People, the fabric of the business

Jarallah's ability to build cross-cultural relationships and navigate the shifting

parameters of international business has helped the business grow.

"Our network, the fabric of the business, is growing continuously and organically," explains Jarallah. "In the Middle East, it's a relationship-based community. It takes a lot of time to build relationships with these artisans. They invite me for coffee, I go to their homes, I meet all their grandkids, I've been to weddings—they become part of your family, and you become part of theirs. Since it's a very tight community, when I start working with one designer, that does not mean that I'm working with one designer. It means I'm working with

JARALLAH P. 3



(L-R) Sarah Zayyed, Mai Salameh, Yara Zayyed and Naima Zayyed in Ramallah, Palestine—four of the many artisans with whom Shoppinglee has worked.

PHOTO: BUSINESS WOMEN'S FORUM

ringers

Francis Zwiers, Pacific Climate Impacts Consortium director, has been elected as a Fellow of the American Geophysical Union (AGU). The honour recognizes members whose “breadth of interests and the scope of their contributions are remarkable and often groundbreaking.” Zwiers has pioneered the use of statistical techniques for investigating challenging problems in climate change, and his approaches have been adopted by global organizations such as the Intergovernmental Panel on Climate Change and the World Climate Research Program. In 2016 Zwiers appeared on the Thompson-Reuters highly cited researchers list and is already a Fellow of the Royal Society of Canada and the American Meteorological Society. Past UVic AGU Fellows include faculty from the School of Earth and Ocean Sciences: Tom Pederson, Andrew Weaver and Professor Emeritus Chris Garrett.



Indigenous law program launched

In an emotional ceremony on Sept. 25 to launch the world's first Indigenous law program, Elders, national and provincial leaders, scholars and others from the UVic community gathered in First Peoples House to welcome the first cohort of 26 students who have come from across Canada to attend the program. Students of the four-year program will participate in mandatory field studies in diverse Indigenous communities across Canada and will graduate with degrees in both Canadian Common Law and Indigenous Legal Orders (JID). One of the JID students, Colby Lizotte (at podium) who is Cree Métis from Fort Vermillion in Alberta's far north, addressed the gathering. “My hope for the program is not just that it increases the number of Indigenous lawyers in Canada, but also reworks the system,” she said. The new program will be applicable to rebuilding economies, environmental management, child welfare, education, human rights, healthy communities, and housing. Online story: bit.ly/JID-18. UVIC PHOTO SERVICES



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Great BC ShakeOut: Do the drill



The Great British Columbia ShakeOut earthquake drill is part of an international effort to encourage people who live in seismically active areas to take simple steps to be better prepared for earthquakes. Southern Vancouver Island has a one in three likelihood of a damaging earthquake occurring over the next 50 years.

This year the Great BC ShakeOut is on Oct. 18 at 10:18 a.m. Whether you're in the classroom, at home or in the office, take a few minutes to become prepared for earthquakes or other emergencies.

One of the best ways for our minds

to remember something is to do it. Please download the “How to hold an earthquake drill” document from uvic.ca/shakeout and take five minutes to practice the Drop, Cover and Hold On procedure with your students or colleagues. Being prepared may save your life.

Drop by the earthquake information booth in University Centre on Oct. 18 from 10 a.m.–2 p.m. or visit the website at uvic.ca/shakeout for more information. If you have questions about emergency preparedness, contact the Manager, Emergency Planning at epmanager@uvic.ca.

UVic adopts recreational cannabis protocol with changes in law

With Canadian and BC laws changing to permit recreational cannabis use as of Oct. 17, UVic is adopting new protocols.

Proactive education, including topics on lifestyle choices, impact on health and wellness, and harm reduction, remains a priority in building awareness about cannabis use with UVic's student community. Faculty and staff policies remain unchanged.

“We are taking a measured approach to cannabis use on campus and are reviewing our institutional policies and practices as we consider a couple of locations for recreational cannabis smoking and vaping that will be accessible to our adult students living on campus,” says Kane Kilbey, associate vice president of human resources.

Information outlining UVic's cannabis protocol will be published before Oct. 17 on websites with the Office of Student Life for students

and with Occupational Health and Safety for faculty and staff. As details are available, updates will also appear in Campus Checklist and on uvic.ca.

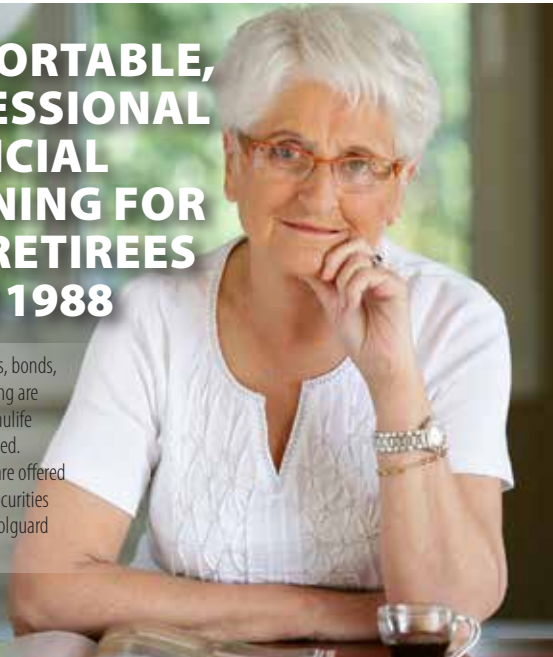
Designated areas will ensure the university is providing a safe on-campus option designed to prevent smoking in bordering neighbourhoods or in fire-sensitive natural areas. The designated areas will be consistent with regional bylaws and occupational health and safety regulations, accessible for adults living on campus, and away from high-traffic areas.

It is important to note that while recreational cannabis will soon be legalized, the laws and policies connected to medical cannabis are generally unchanged.

Nothing changes for faculty and staff on Oct. 17. Employees will continue to have a statutory responsibility to report for work fit for duty, unimpaired by any substance use.

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Campus cycling plan process wraps up with open house

Following a year of consultation, the university's inaugural Campus Cycling Plan is rolling to the finish line. Faculty, staff and students are invited to an open house in the University Centre lobby on Oct. 10 from 11 a.m.–2 p.m. to provide feedback before the plan is presented to the Campus Planning Committee and President for approval later this fall.

"The goal of the plan is to create a campus where students, staff, faculty and visitors can safely ride their bikes no matter where they are headed on campus," says Mike Wilson, director of campus planning and sustainability. "It will also help us achieve the direction of the Campus Plan and Sustainability Action Plan to shift the way people get to and from campus, so that at least 70 per cent of commuters walk, cycle or use transit rather than single-occupancy vehicles."

The draft plan focuses on four key strategies for improving safety and convenience for cycling on campus, while also considering pedestrian safety. The first strategy recommends the adoption of a reverse-priority

pyramid as a tool to guide design and decision making in capital projects. The pyramid considers the needs and safety of road users, giving priority to pedestrians and cyclists—the most vulnerable users—while ensuring that travel modes function effectively together as a system.

The second major strategy is a shared-space approach that promotes active transportation etiquette and awareness inside Ring Road. While most pathways within Ring Road already function as shared space for pedestrians, cyclists and slow-moving vehicles, the plan recommends improvements to signage, education and outreach, along with speed mitigation in key areas. Outside Ring Road, the plan proposes a separation of bicycle pathways and roadways on approaches to campus.

The plan's third key strategy is the development of a separated All Ages and Abilities campus cycling network. In the short term, it calls for two-way cycling paths on the inside of Ring Road from University Drive to the Bob Wright Building, and from McGill



Bikes are a central part of campus life. UVIC PHOTO SERVICES

Road to the Student Union Building.

"The plan takes a staged approach to implementing the cycling network upgrades and shared space policy, with short, medium and long-term directions," says Wilson. "We will be coming back to consult with the campus community as we move into the detailed design phase for these improvements."

The final proposed strategy is an enhancement of end-of-trip facilities for cyclists—including bike parking, storage and showers—in areas of campus where facilities could be added or improved.

For more information, visit the Campus Planning and Sustainability website at bit.ly/18-cycle. Feedback is welcome at planning@uvic.ca.

Viewing the American political "God gap" through literature

English professor Chris Douglas is examining Christian right literature to gain insight into this powerful American demographic.

BY STEPHANIE HARRINGTON

As lawmakers and social media companies scramble to find ways to stop the spread of fake news ahead of the US midterms, a UVic English professor is taking a close read of America's political "God gap."

Chris Douglas's research examines the rise of the Christian right in American politics and society since the 1970s through an often-overlooked medium—literature.

"The social and political empowerment of the Christian right in last 40 years is one of the most important religious transformations in the US. It is also the under-examined context for religiously interested literature," Douglas says.

From gender, sexuality and race to science and knowledge, Douglas says America has become more and more divided along religious lines. The phenomenon, called the God gap, refers to the rift between increasingly secular Democrats and Republicans' staunch religious base.

Evidence of the God gap ranges from literary reactions to the Christian right such as Margaret Atwood's *The Handmaid's Tale* to books that espouse Evangelical values and beliefs. Douglas cites the fundamentalist *Left Behind* series, which has sold more than 60 million copies, as one example of Christian right literature, as well as William P. Young's *The Shack*, which sold 12 million copies and was made into a feature film.

Douglas says that for decades the New York Times bestseller list excluded Christian book sales, to the detriment of American media and voters, who were blindsided by the Christian right's growing cultural presence.

Fake news and religion

Douglas's research on the Christian right and literature has also led him to investigate conservative Evangelical knowledge systems. Some studies suggest that conservatives share more fake news than liberals and that fake news might have won Trump the 2016 election.

"I suggested a possible origin story for the way in which fake news seems to be better received by religious conservatives: that this receptivity was born of a hostility to mainstream science and journalistic expertise," he says.

"This faith tradition didn't just oppose modern knowledge—it cultivated institutions of counter-expertise to oppose ideas like evolution, historical Bible criticism and now climate change."

Mid-term elections

Last year, the Cambridge Institute for Religion & International Studies commissioned Douglas to present his findings on fake news and religion in the 2016 and 2017 elections to Western diplomats gathered in Paris.

Douglas, who says we're caught in the same patterns around fake news and the attack on professional journalism that dominated politics in 2016, will be watching the midterms closely on Nov. 6.

"An epistemological crisis in America became a political crisis, and is now rapidly becoming a constitutional crisis as well."

Douglas is the acting director of UVic's Centre for Studies in Religion and Society, which will host journalist Chris Hedges' talk on Christian Fascism and the Rise of Donald Trump on Jan. 17.

"It's a topic dear to my heart, in a manner of speaking," Douglas says.

JARALLAH

CONTINUED FROM P.1

her and all her neighbours!"

Her commitment to empowering artisans—and their families and communities—are not empty words for Jarallah. She doesn't pay herself from the business proceeds and doesn't plan to after graduation from the MGB program. Instead, she is starting a new position as a business development

officer for an international technology company. Nevertheless, Jarallah's time building Shoppinglee is certainly creating returns for all involved in the project—whether in the form of income, international connections, business experience or a deeper sense of purpose.

Full story: bit.ly/fab-busi

ringers

This September, the Canadian Commission on UNESCO published a three-page facts-and-tips guide to Indigenous languages in Canada researched and developed by **Onowa MacIvor** (Indigenous Education) to recognize the 11th anniversary of the signing of the United Nations Declaration on the Rights of Indigenous Peoples. The guide provides current information about Indigenous languages in Canada and a list of ways you can help support them. For example, the guide suggests learning a greeting and a response, and the name of your town or city in the Indigenous language of your region. More information: bit.ly/UNESCO-lang

Elizabeth Borycki (health information science) was inducted into the Canadian Academy of Health Sciences in September. A celebrated scholar in the digital health sector, Borycki is also an adjunct professor with the School of Nursing, program director for the Social Dimensions of Health and the Health and Society programs, and serves as an elected faculty member with the UVic Board of Governors. In 2016, Borycki co-created the first double-degree graduate program in nursing and health informatics in Canada. Her research spans health information technology safety as it relates to electronic health records and mobile health technologies—for which she earned the Michael Smith Foundation for Health Research's Health Professional Investigator Award for 2018.



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around the ring

Human research ethics now online

You can now submit research ethics applications for new studies using the UVic Research Administration Information System (RAIS). UVic-RAIS is an online system for managing information, processes and workflows associated with research ethics approvals, tailored for the UVic research community. The goal is to have an easy to use, web-accessible submission, tracking and approval system that streamlines research administration and communication. Need help? Drop in Wednesdays 9–10 a.m. in Clearihue A030—no registration needed. uvic.ca/userais

UVic recognized in 2018 Sustainable Campus Index

UVic claimed fourth spot in the air and climate category, and ninth in the doctoral institutions category of the 2018 Sustainable Campus Index (SCI). The SCI recognizes top-performing North American colleges and universities in 17 sustainability impact areas, as measured by the Sustainability Tracking, Assessment and Rating System (STARS). The air and climate section covers greenhouse gas emissions assessment and mitigation, as well as outdoor air quality. Doctoral institutions include colleges, universities and institutes that award at least 20 research doctoral degrees annually. View the report at aashe.org/sci-2018.

UVic Gives Thanks

With your bellies and hearts full from spending Thanksgiving with your loved ones, we hope you can take a moment to acknowledge what makes the UVic experience so great, as well as the many people behind it. On October 17–18, UVic's Student Ambassadors and Donor Relations teams are rallying the campus community to celebrate the impact of donors and volunteers through a Thank-a-thon. Join us at the Petch Fountain from 10 a.m. to 2 p.m. to write a personal thank you to a donor for supporting UVic's continued success. Our goal is to mail 500 postcards—filled with messages of thanks from staff, faculty and students—to members of the UVic donor community. Stop by to write a thank you note and get free goodies. It's our way of thanking you for saying thank you.



Fostering reconciliation on Orange Shirt Day

About 400 university faculty, staff and students came together in the spirit of hope and reconciliation in the quad on Orange Shirt Day, marked at UVic on Sept. 28. Wearing orange shirts to show respect for residential school survivors and their families, the crowd gathered for a photo before attending a powerful discussion at First Peoples House, "Why art matters to reconciliation," with Dr. Andrea Walsh (anthropology) and survivors and intergenerational survivors Gina Laing, April Laing, Mark Atleo and Lorilee Wastasecoot. Moderated by Chancellor Shelagh Rogers, the presentation also featured President Jamie Cassels, who introduced the new name of the Elders' engagement fund, ITOTELNEWTELLE: LEARNING FROM ONE ANOTHER. Nearly 1,500 orange shirts were sold on campus in the run-up to the event, with the proceeds going to the Elders' engagement fund and Carey Newman's Witness Blanket project. Vice-President Academic and Provost Valerie Kuehne closed the day's proceedings by inviting everyone to consider what they can do to foster respect and reconciliation in the year ahead. UVIC PHOTO SERVICES

MANNERS

CONTINUED FROM P.1

"That's the kind of environment I want to work in."

Materials science is about enhancing the performance of existing materials and developing new ones for a range of applications. Inorganic materials include polymers (plastics and resins), glass and precious metals. Manners' discovery of a previously unknown process, crystallization-driven self-assembly, identified a new way to control the growth of polymer-based materials to create the sizes common in biological systems.

That holds much promise in diverse areas, including cancer treatment.

"What if one could design a way to deliver chemotherapy drugs directly to a tumour and bypass the collateral damage of cancer treatments?" asks UVic chemist Alexandre Brolo, director of CAMTEC.

"That would be revolutionary, as would new materials that could improve contrast in medical imaging, improve the efficiency of memory devices, help on the fabrication of microchips and so on. What Ian Manners does is find smart ways to produce those types of materials."

Manners will be in good company at UVic, where materials scientists in five science and engineering departments are engaged in similar multidisciplinary research. Six researchers are also Canada Research Chairs: Katherine Elvira (new materials and techniques); Magdalena Bazalova-Carter (medical physics); Jeremy Wulff (bioactive small molecule synthesis); Reuven Gordon (nanoplasmonics); Stephanie Willerth (biomedical en-

gineering); and Fraser Hof (supermolecular and medicinal chemistry).

Manners is an impressive addition to the team. His research has been cited an astounding 43,000 times, making him the third-most-cited inorganic chemist in the world and sixth in self-assembly according to Google Scholar. Published in more than 640 publications, Manners has given more than 540 international invited talks, won 20 awards, holds 12 patents and has co-authored four books. He is a Fellow of both the Royal Society of Canada and London.

"It's a lock-and-key effect," says UVic Vice-President Research David Castle about having Manners on faculty. "The tremendous scientific leadership in the Department of Chemistry and CAMTEC has created enormous potential for world-leading science and the development of innovative technologies. Ian Manners' arrival is key to unlocking that potential and propelling the field of materials science forward at UVic, and for Canada."

A new horizon of possibilities

The ability to create tiny particles with dimensions anywhere from 10 to 10,000 times smaller than the width of a human hair—and to control their shape, size, composition and thus their properties—is a major global challenge critical to advances in many future technologies.

"The discovery was accidental," says Manners. "We and our collaborators were studying and making fibre-like structures and saw that under certain conditions, these structures

were sometimes long and sometimes short. We couldn't understand why. During the course of exploring that, we found that we could add materials so the short ones could grow."

Up until that 2007 discovery, chemists had struggled to make synthetic structures at the same scale as the functional structures of biology, such as cell components and viruses. They were making structures at the molecular scale but couldn't match the slightly larger scale of biological structures.

The decision to return to Canada wasn't difficult. Manners is a dual citizen of Britain and Canada and was on faculty at the University of Toronto from 1990 until his return to Bristol in 2005. He and his wife and research coordinator Deborah O'Hanlon-Manners have two children and three grandchildren living in Ontario.

Nor was it a difficult decision to accept UVic's invitation, Manners adds.

"There are high-quality people already here relevant to the work my research team is doing, and a broad possibility of collaboration with engineering, biology, physics and others in chemistry," he says. "We will be major users of CAMTEC. The Canada 150 Research Chair program provides money for equipping our laboratory, but you also need the much bigger equipment, the electron microscopes, designed to visualize structures of the size we are making."

New lab to support innovation

Manners will establish and lead UVic's new Laboratory for Synthetic Self-

Assembled Materials, under construction right now and expected to open in early 2019.

UVic is funding the \$1.85 million, 6,500-square-foot lab in the Elliott Building, which will be a state-of-the-art research facility for Manners and up to 30 co-workers. The goal is a lab that equals or exceeds the leading-edge lab that Manners oversaw at the University of Bristol.

"I'm convinced that UVic will be a really excellent place for us to flourish as a research group," he says.

The lab will still require "lots of breakthroughs not only by us but also by other researchers" to build on foundational discoveries and to take the work through to applications, says Manners.

But one day in the future, minuscule drug-carrying capsules made from novel materials could be in common use to deliver specific drug dosages directly to a sick liver or other body organ. Solar cells capable of absorbing 10 times as much energy from the sun as the cells used today could be opening up unimagined applications for alternative energy, even in regions not known for sunshine.

That's an exciting prospect for a man who knew from an early age that he would grow up to be a scientist.

"I knew I wanted to be a chemist by age eight," Manners adds. "Over the years, I've broadened my interest in science beyond chemistry, and now tell my members of my research group that we are scientists who specialize in chemistry. I'm looking forward to some exciting breakthroughs."

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Bike-assist drives engineering student into Tesla co-op

Simon Park is the most recent of 44 UVic co-op students to have landed an internship with Tesla

BY JODY PATERSON

When the dream is to land work with an innovative, world-renowned company inundated with applicants vying for a spot, it helps to stand out. Happily for UVic mechanical engineering student Simon Park, he does.

Park is the 21-year-old inventor of the Caboost, which converts any bicycle into an e-bike simply by attaching a small electric bike trailer that provides an electrical assist when needed.

Park came up with the Caboost to spare himself the hilly ride to school every day, but he now credits his invention for helping him land a coveted eight-month internship he began last month with Tesla Energy in Palo Alto, Calif.

He believes the Caboost was what caught the eye of the weary Tesla recruiter a year ago at the end of a long day on campus seeking students for internships.

"I've always wanted to work for Tesla," says Park. "I've been applying every single year, whenever I had a co-op term. But a lot of people want to work there."

"So I brought in a very early version of the Caboost to that session. One of the co-op partners brought the Tesla recruiter over to take a look. I think

that was enough for me to stand out."

Not enough to actually land an internship right there and then, however. Park went through five interviews with the company after that, and still didn't clinch a Tesla placement. But armed with the recruiter's email, he pressed his case.

"I kept emailing him. I tracked him down on LinkedIn. Getting a co-op with Tesla was something I really wanted," says Park.

He's now working in the reliability department of Tesla's energy division, which produces the Powerwall, a solar-charged mega-battery for people wanting solar power as their primary household energy source. "Everyone thinks of Tesla for cars, but it's more of an energy company than a car company," says Park.

Park is one of 44 UVic co-op students to have landed an internship with Tesla over the years.

"My thought is that this internship is a really good way for them to have an eight-month-long interview with me," he says. "And just to be working in Silicon Valley is really exciting."

Park is excited about the opportunities for learning that his Tesla internship will provide, some of which might even be applicable to his Caboost project down the line. Everything about the Caboost has been a learning experience, he adds.

"The whole reason I started Caboost was to learn," says Park. "There



Park at Tesla's California training centre.

were certain decisions I made doing the project where the simplest way would have been to do things one way, but I did them the hard way because I wanted to learn."

Park says staff at UVic's Coast Capital Savings Innovation Centre were "the first people to believe in me" for the Caboost project. The South Island Prosperity Project, an economic development initiative for the Capital Region, became "a huge supporter" after Park won the \$15,000 Smart South Island Innovation Challenge in March.

UVic has supported the initiative in so many ways, he adds. This summer, Park was a client for a group of UVic

electrical and software engineering students who created a smart control system for the Caboost as their capstone project. UVic computer scientist Mantis Cheng turned over his lab for the entire summer so the team had a place to work.

Park returns to UVic in the spring to finish a final academic term before graduating as a mechanical engineer next year.

"After I graduate, I could be shifting into evaluating the Caboost as a business," he says. "The concept is there, and there's lots of potential. But I'm definitely open to working at Tesla, too."

around the ring



The Edge is here: UVic launches year three of campaign

Building on the success of the last two years, UVic is again running a campaign aimed at opinion leaders in BC, Toronto and Ottawa—and prospective students in the lower mainland and other target markets—as part of an overall strategy to enhance its reputation and differentiate it from its competitors for these key audiences. Post-campaign research on the 2016 effort showed that after only one year, audiences in key regions and areas demonstrated increased awareness, understanding and interest in UVic, with a more differentiated view of our university. This fall, through advertising, social media, web and public relations, UVic will profile its strengths in Indigenous law and oceans/climate research for leaders, and the elements of the Edge, with a particular focus on dynamic learning, for prospective students. Full campaign info: bit.ly/18-edge

New web tool offers 'wise practices' to First Nations youth

A new First Nations youth mental health and suicide prevention resource, wisepractices.ca, now offers strategies—well known to Indigenous people for thousands of years—on ways and ideas for promoting life among young people. Jennifer White, director of UVic's School of Child and Youth Care, worked with Ed Connors, a psychologist from Khnawake Mohawk Territory, to develop the site, which is already working or showing promise in First Nations communities across Canada. White and Connors led an advisory team to develop culturally relevant content responsive to the lived realities of young people. "The focus of Wise Practices is to promote culturally-relevant strategies that support resilience and wellbeing," said White, who has worked in the field of youth suicide prevention for more than 30 years. "I believe we must explore alternatives to the standardized, expert-driven, risk factor-based approach to this issue." This project—a partnership between UVic, the Government of Canada and the Thunderbird Partnership Foundation—marks a turning point in how we think about suicide prevention, says White, by changing the conversation. The site emphasizes the "language of life" instead of a language of risks and deficits. Content specifically acknowledges and attempts to repair the detrimental harm caused by the pervasive effects of colonization which persists in many forms today.

UVic trio elected fellows of the Royal Society of Canada

Three UVic faculty members have received the country's highest academic honour, named 2018 fellows of the Royal Society of Canada.

Benjamin Butterfield, one of Canada's finest tenors; Eike-Henner Kluge, a leading ethicist and philosopher whose scholarship and theoretical analysis has influenced Canada's right-to-die legislation and legal access to abortion; and Tim Stockwell, who has pioneered research in substance abuse and public health policy, were elected to the society's distinguished ranks in a September announcement.

The title has been bestowed on more than 2,000 Canadians in the 134-year history of the RSC and has just one criterion: excellence. The peer-elected fellows of the society are chosen for making "remarkable contributions" in the arts, humanities and sciences, and Canadian public life.

Benjamin Butterfield

While Benjamin Butterfield is recognized internationally as one of Canada's finest tenors, he is equally passionate about his role as head of voice for UVic's School of Music.

"With a performance career, the more you're in the game, the more you'll be asked to be in the game," he explains. "But my obligation is really to teaching . . . for me, it's less about pursuing my 'career' and more about being here for students who sing, and who want to learn to sing — that's my day job, that's my real life, that's what's most important."

As for the benefits of music performance itself, Butterfield firmly believes that singing should be an essential practice for anyone stepping onto the world stage.

Eike-Henner Kluge

From access to abortion to the ethics of deliberate death, bioethicist and philosopher Eike-Henner Kluge has



Kluge, Butterfield and Stockwell. UVIC PHOTO SERVICES

been at the forefront of some of today's most important medical debates.

Kluge has written 13 books and authored 90 journal articles.

This isn't the first time Kluge has been recognized by the Royal Society of Canada—in 2007 he was awarded its Abbyann Lynch Medal in Bioethics. Despite recognition with Canada's highest academic honours, Kluge, who describes his work as at "the interface of theory and practice," says he is most "happy" about his contributions to the public sphere.

Kluge was the first expert witness in medical ethics recognized by Canadian courts.

Kluge's current work focuses on biomedical health information ethics, which includes electronic patient records. He is the author of the International Medical Informatics Association's Code of Ethics. Kluge says he sees his scholarly research as groundwork for larger issues.

"There has to be a social return somewhere," he says.

Tim Stockwell

Tim Stockwell is a knowledge translator and advocate for strong public health policies to prevent illness, injuries and death from alcohol and drug misuse. He has made key contributions that have shaped substance use policies in several countries, including Canada, Scotland, Ireland and Australia.

"It is very gratifying to see that some of the ideas arising from my work and that of my close colleagues are being used in Canada and other countries to reduce substance use," says Stockwell, director of the Canadian Institute for Substance Abuse Research (CISUR) and professor of psychology.

Stockwell has pioneered the use of more accurate measures of alcohol

consumption and related harms and currently he is working with governments in Canada and overseas to estimate the impact of alternative alcohol policies on health and safety.

"I'm both delighted and surprised to be honoured with this award; it gives me some satisfaction that my work has contributed to a continuing process that should result in saving lives and preventing injury and illness," says Stockwell.

UVic has 75 Royal Fellows

The Royal Society of Canada was established in 1883 as Canada's national academy for distinguished scholars, artists and scientists. Its primary objective is to promote learning and research in the arts, humanities, and natural and social sciences. The society has named 75 current, former and adjunct UVic faculty members as fellows over the years.

MOTHER'S NATURE

Alumni solo show spotlights the ups and downs of new motherhood

BY JOHN THRELFALL

From Jedi knights and gold-rush explorers to doomed puppets and romantic clowns—over the past 15 years Phoenix Theatre's annual Spotlight on Alumni has presented a range of shows as diverse and accomplished as the graduates themselves. But this month, Phoenix is entering a world as strange and terrifying as any yet imagined: motherhood.

Just ask Theatre alumna Nicolle Natrass, whose solo show, *Mamahood: Bursting Into Light*, courageously chronicles the journey of becoming a mother at age 40—complete with a rock 'n roll soundtrack.

"I don't like to be bound by restrictions like 'comedy' or 'drama,'" Natrass explains. "I really believe life is full of both, so I've always written to connect with the audience, using comedy to talk about more serious things."

This is the first time *Mamahood*—running October 9 to 20 at the Phoenix—will be fully mounted in Victoria, following a staged reading in 2014. "I'm so glad I get to come back to my alma mater to perform this," says Natrass, who graduated in 1991. "UVic has been a big part of my journey as an artist and I'm constantly collaborating with other Phoenix alum, including this show's director, TJ Dawe."

With nine plays and a busy life as an actor, director, dramaturge, certified addiction counselor and parent, Natrass is a great example of how arts



Promotional artwork for the play *Mamahood*

alumni can transform life experiences into art. Indeed, with *Mamahood*, she's using her own story to reach out to other moms (and dads and grandparents) and deconstruct some prevailing motherhood myths.

"Parenting is really an individual experience: the only one who can define how you're going to be as a mother is you," she says. "We're told it should look like a Pampers commercial—all the right outfits, everything is good—but that excludes a lot of moms. It's okay to not have an ideal experience every day of the week—or at all. Whether you're a co-parent, step-parent or foster parent, it's all

about accepting your own story."

Like so many alumni, Natrass birthed *Mamahood* through her fusion of teaching and creative practice. "I was asked to teach a course on Mama Memoirs at Camosun College and I realized I hadn't written down my own story yet," she says. "There's this romantic idea that we only write at perfect times—four hours with a latte at your favourite coffee shop—but the reality of motherhood is getting up at 4:30 in the morning when you're exhausted from breastfeeding and trying to get inspired."

Natrass also doesn't hesitate to talk about postpartum realities in her

play, which sets it apart from straight-up comedies like *Mom's The Word*. "The postpartum experience can be anything from anxiety, fear and sleep deprivation to issues surrounding the pregnancy or birth itself."

With that in mind, she makes a point of connecting with local birth educators and support networks wherever *Mamahood* tours—in Victoria, she's working with Mothering Touch Centre—and builds that into the theatrical experience. "I always do a talkback session at the end of each show, so people can not only ask me questions but also connect with resources in their community."

The public is also invited to a free preshow lecture with English professor Sheila Rabillard on "Motherhood Out Loud," discussing the changing face of motherhood in theatre (Friday, Oct 12 at 7 p.m.).

Ultimately, *Mamahood* is a comedic story about Natrass's own journey . . . so far. "The core message is that motherhood is a rock 'n roll ride," she laughs. "My son is nine now and the ride is definitely not over! My whole journey really has been about bursting into light."


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Board of Governors update

The UVic Board of Governors is one of two primary governing bodies of the university (the other being the Senate). The board is responsible for the management, administration and control of the property, revenue and business affairs of the university.

The board consists of the chancellor, the president, two elected faculty members, one elected staff member, two students elected from the university's undergraduate and graduate student bodies and eight members appointed by the Lieutenant Governor in Council. More info about the board can be found at uvic.ca/usec.

We welcome the newly appointed chair and vice-chair and newly elected student members to the 2018–2019 board.



Van Ruyven

BEVERLY VAN RUYVEN Chair, order-in-council

Beverly Van Ruyven holds a BA from UVic and completed the Executive Management Program at the Richard Ivey School of Business at the University of Western Ontario. She was the deputy CEO and executive vice-president, customer care and conservation at BC Hydro, retiring from that position in 2011. Prior to her 15 years with the utility she held several senior management roles at Canada Post. Van Ruyven is the past chair of the Western Energy Institute and has served on the boards of Accenture Business Services for Utilities, Fraser Basin Council, Downs Syndrome Research Foundation, Science World and was a member of the Vancouver Board of Trade Women's Leadership Circle. In 2009 and 2010 she was named as one of

Canada's Most Powerful Women—Top 100. Van Ruyven currently serves on the board of InnerChange Foundation. She served on the UVic Board of Governors from 2009 to 2015; her current appointment is effective until July 2020.

CATHY MCINTYRE Vice-chair, order-in-council

Cathy McIntyre is principal of Strategic Initiatives, a Victoria marketing research firm. Her background includes more than 25 years of sales, marketing and communications, and consulting experience, and more than 15 years of board service. A chartered director (C.Dir), McIntyre currently serves on the boards of directors of First West Credit Union, Consumer Protection BC, Peninsula Co-op, CADTH and the Canadian Arthritis Society. She is a former director of United Way Greater



McIntyre

Victoria, the United Way of Canada, the Victoria Hospitals Foundation and the CMA Society of BC, among others. She is a past president of the UVic Alumni Association and has served as a convocation senator on UVic's Senate.

She was acknowledged as one of UVic's "50 Alumni Who Made a Difference" in 2013 and received the Queen's Diamond Jubilee Medal in 2012. McIntyre has served on the UVic Board of Governors since 2015; her current appointment is effective until December 2018.

ANDREA MELLOR Elected student member

Andrea Mellor grew up northwest of Calgary and entered the social dimensions of health program at the University of Victoria in 2016. Mellor received her MSc in hydrogeology and



Mellor

BSc in geology from the Department of Geosciences at the University of Calgary. Prior to coming to Victoria, she worked as a consulting hydrogeologist and research scientist in the groundwater resource sector in Alberta and British Columbia.

Mellor brings a multi-science approach to her research, including integrating geosciences and social dimensions of health to support relationship building between people and the environment. Her research program explores the effects of natural resource development on the lived experience of Indigenous youth and will, in partnership with an urban Aboriginal child and family services organization, work to co-construct resources to support (re)connecting youth with culturally appropriate coming-of-age teachings.



Angelblazer

PIERRE-PAUL ANGELBLAZER Elected student member

Pierre-Paul Angelblazer is a third-year anthropology student in the Faculty of Social Sciences. Born in Montréal to Russian immigrant parents, and then raised all over British Columbia, Angelblazer graduated from l'École Victor-Brodeur in Victoria with both his Dogwood and Cornouiller diplomas as well as International Baccalaureate certificate. Angelblazer has held multiple leadership roles such as being the Regimental Sgt. Major of his cadet corps as well as being active in several clubs and local community organizations. In the non-profit sector, Angelblazer has held the elected position of Director of Outreach and University Relations at the UVSS since September 2017, and has worked to improve governance at the UVSS.

Show your local love with United Way campaign

On Sept. 28, the 2018 UVic United Way campaign officially kicked off at a special Vikes Nation event in the CARSA Performance Gym. Fans cheered on the Vikes while learning more about United Way.

"UVic is a strong supporter of United Way and our campus community has a proud history of giving generously," says campaign chair Rachael Scarth. "Last year we raised \$231,223 and I am confident we can top that amount this year."

As an incentive to current United Way donors to increase their donations, and to new donors to join the campaign, the United Way has secured several donors who will match any increase of 15 per cent or more from current donors and the entire amount pledged by new donors. "This is an amazing opportunity to increase the impact of our generous donors and help the United Way support the areas of greatest need in our community," says Scarth.

Since 1994, UVic workplace campaigns have raised upwards of \$4.5

million for United Way. Our donations helped to support 13,500 children and youth in 2017.

There are many ways you can support the campaign. The United Way Greater Victoria e-pledge site at bit.ly/uvic-uway makes it easy to make a continuous or one-time donation, or to increase your payroll deduction pledge. Simply follow the instructions, and in a matter of minutes, you can change a life with your gift.

Campus fundraising events during the fall include the Plasma Car Races on Nov. 6, the Vikes Amazing Race on Nov. 22, the Coin Drive at university food vendors, and the ongoing Book Sale in the UVic Bookstore foyer. Donations of good quality used books will be accepted at the main loan desk in the McPherson Library until Dec. 1.

Visit the website for details. If you're interested in hosting an event in support of the campaign in your unit, please contact campaign assistant Hanna Kim at unitedway@uvic.ca. Learn more about United Way Greater Victoria: uvic.ca/unitedway

Are you protected against 4 types of Meningococcal Disease?



What you should know about Meningococcus:

- Meningococcus is a family of germs (bacteria) that can cause meningitis, which is an infection of the surface of the brain.
- Meningitis is rare, but it can be life-threatening or lead to permanent disability.
- Common groups of meningococcus that can cause disease are A, B, C, W and Y.

We are looking for:

Healthy adults up to 40 years of age, who have not previously received any meningococcal vaccine, to participate in a research study.

The study involves:

- 2 visits and 3 follow-up phone calls
- 2 blood draws
- 1 vaccination
- participants will receive either a licensed or investigational Men ACWY vaccine

You will receive:

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For more details, contact:

Amy, RN, BScN
PerCuro Clinical Research
250-382-6270 ext 2484 info@percuro.ca

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Day in the Life: Shahira Khair



Khair. UVIC PHOTO SERVICES

UVic Libraries hold more than 2.1 million books, but that's a drop in the bucket when compared to the explosion of electronic information available to students, researchers and the community. Some of the libraries' electronic holdings would look familiar to readers from the university's founding in 1963—books and journal articles served up on screens instead of paper. But new types of electronic resources are challenging universities and their libraries to rethink what acquisition, curation and discovery look like in the era of big data.

That's where Shahira Khair comes in. In a newly created position as Data Curation Librarian, Khair develops services and expertise to

better manage and support faculty and graduate students with their research data management needs.

With estimates from IBM stating more than 2.5 quintillion bytes of data are created on our planet every day, there is no question that data is powerful, and responsible management will play an important role in harnessing its potential.

Responding to the digital transformation of the research environment, researchers are expressing concerns about the need to ensure their research information is securely stored and accessible for future use.

Our evolving relationship with data revolves around more than research outcomes. From government and banking organizations to

Hollywood studios and WikiLeaks, we're bombarded by messages about the mismanagement or hacking of private information, coupled with social media giants capturing personal data from unaware subscribers.

According to Khair, the age of big data is immense in depth and continually growing in scope, characterized by its large volume, its complexity and its vast potential to be mined for information. Not one to shy away from a challenge, she embraced the field of data curation in the infancy of her own academic work, and found her calling.

Khair first became interested in libraries as a graduate student working on her thesis research at the Uni-

versity of Ottawa. It was there, that she first collaborated with a science librarian to develop search strategies for finding open data.

"Through that initial connection with my librarian, there was a spark that went off in my mind about the immense role libraries play in the research process by describing and organizing information to make it discoverable and accessible."

With history steeped in textual materials, libraries have a lot to offer the research community in the digital age—helping to manage research data to make it more findable, accessible and reusable, and promote its value as an important scholarly output.

With her background in science

policy research, Khair believes that access to primary research data sources can help solve society's most pressing issues—like the decline in biodiversity, land use pressures or climate change—as it is crucial for demonstrating change and evaluating our impact on the planet.

"It's wonderful to be working at a research institution with a deep environment-focused research portfolio, and on a campus that prioritizes sustainability."

On a recent collaboration with the UVic Mountain Legacy Project, she is supporting the team in implementing a long-term storage solution for their high-resolution photographic data. "The ability to leverage research data is critical for innovation and our ability to respond to society's biggest challenges." In fact, Khair emphasizes that primary data sources are the foundation for evidence-based decision-making and research-informed policy.

To derive maximum value from research, Khair explains that data need to be well-managed in terms of how they are organized, described, stored, shared and preserved, in order to make them accessible and reusable over time.

Her all-encompassing approach not only includes the stakeholders of a given project; she is mindful that other researchers may benefit from accessing data down the road. Evidence of Khair's influence can be found at her previous places of employment, the Canadian Association of Research Libraries and the Portage Network, who are developing tools, such as the Data Management Plan Assistant, to help Canadian researchers meet the RDM challenges that lie ahead.

In making research results accessible and usable beyond a research team's membership, Khair is helping to build a future where data preservation is key to a project's impact and longevity.

Teens + tech = HighTechU

New UVic-led program prepares high-school students for university and the workplace

BY LINDSAY GAGEL

Canada's tech industry is booming, but many employers struggle to find employees to meet growing demand.

UVic's Department of Computer Science came up with an idea to help address the shortage and, in the process, increase enrolment and retention rates for first-year engineering students. They call it HighTechU.

HighTechU is more than a coding program—it's an "experiential learning program," explains co-founder

Andrew MacLean. "We wanted to engage teens in a meaningful way, and we came up with something that benefits students, industry and the university."

The HighTechU pilot project launched last spring with a six-week skills academy. Academy instructors—UVic graduate students, professors and industry leaders—empowered their 14 enrolled students to build the diverse skills needed to succeed in higher education and the tech industry.

While technical and soft-skill development were an important part of the pilot, one of the primary goals of HighTechU is to address diversity gaps in the tech sector. By providing exposure to both the tech industry and post-secondary for under-represented groups like women, members of visible minorities and Indigenous peoples, they hope to improve the perception of computer science and software engineering in the public eye and reduce diversity gaps in the fields.

Local tech companies helped fund

this year's pilot project, and two companies—Sendwithus and the Coast Capital Innovation Centre—even hired three academy students for paid summer internships.

Bridget Weston is one of those students. She graduated from Victoria High School in June and is currently working as a Sendwithus intern—an experience that she says has been "an incredible learning opportunity."

"One main benefit of co-op and internships is that students learn what they want to do and what they don't want to

do in terms of their future career," Weston adds. "What I've learned from working with Sendwithus has started to shape my specific interests within the field of software development."

Weston will be attending UVic as a software engineering student in the fall. She credits her interactions with UVic students and professors during the academy as a factor in choosing UVic. Another major motivator was UVic's co-op program, which she describes as "fantastic."

Full story: bit.ly/hightechu



(L-R) HighTechU Academy students Lachlan Stewart, Bridget Weston and Paolo Sotelo Henderson.

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