Information and News

In previous newsletters we highlighted the School’s research and teaching in emerging areas such as data science and AI in healthcare. In this issue we include work being conducted by our students and faculty in the area of human factors in healthcare. Human factors in healthcare, and specifically human-computer interaction, has and will continue to be an area of critical importance in moving health informatics forward and is one focus of our work.

Model Program

HINF undergraduate students! Check the model program to make sure you are on track!

BSc - Health Information Science
BSc - Combined Major Computer Science and Health Information Science

Have questions? Contact our undergraduate advisor, Helen Monkmon: hinfugadvisor@uvic.ca

Awards and Recognitions

Research in the News!
Dr. Helen Monkman and Leah MacDonald (BSc Health Information Science 4th year undergraduate research assistant) are investigating online laboratory (lab) results from a human factors perspective. Their first publication from this study (in press) revealed that despite having a sample of people (N = 25) who reported using online lab results often, many of them overlooked abnormal results.

Dr. Elizabeth Borycki received a 5 year grant from the Natural Sciences and Engineering Council (NSERC) to Develop a Method for Creating and Validating the Safety of Interface Designs. The research advances the science around safety heuristics, and human factors clinical simulations to develop evidence-based User Interface Designs.

Dr. Elizabeth Borycki has received a 5 year Michael Smith Foundation Health Research BC Health Professional Investigator Award to Improve the Safety of Health Information Technology: From International Knowledge to Local Application. This research is focused on developing, validating and testing approaches to evidence-based health information technology safety and covers a range of human factors research around system safety.

Dr. Andre Kushniruk and Dr. Elizabeth Borycki received funding from the Federal Digital Supercluster to investigate the human factors of an AI application in terms of usability, workflow and implementation for the project Point of Care Dermatology Intelligent Network. The project focuses on a new mobile solution for supporting family physicians and dermatologists caring for patients who may have skin cancer.
Human Factors: Consumer Informatics and User Engagement


Human Factors: Data Science and Artificial Intelligence


Human Factors: Literacy and User Experience


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### Human Factors: Patient Journey Mapping


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### Human Factors: Safety


Human Factors: Usability


Human Factors: User Experience/Engagement


Human Factors: User Interface Design


Faculty Presentations
**Books, Toolkits and Tools**


Faculty edit a special issue on “Visualizing User Experience and Stories: From Customer Journeys to Patient Experience Mapping” (edited by: Andre Kushniruk and Avi Parush)


Professional Development

Human Factors - Human Factors & AI in Healthcare - Dr. Andre Kushniruk

To Learn More

Experiential Learning and Co-op

Spotlight on International and Provincial Co-ops!
Zikai Hao worked remotely for an International Work Term with Seven Informatics Ltd. in Oxford in the United Kingdom. Zikai worked on the The cityEHR. The cityEHR is an open source Electronic Health Record (EHR) product, developed and supported by a team based in Oxford, UK. As part of his work term he:

1. Develop a clinical model for a Fracture Liaison Service.
2. Use tools in cityEHR to create a Mandarin language variant for that model.
3. Co-ordinate the work of other academic centres in making further language variants.

**Co-op Hiring**

Considering a Co-op student? Typical Health Information Science Co-op jobs include:

- Business applications analyst
- Clinical applications student
- Go-live support
- Health business consultant
- Health data analyst
- Health systems analyst

The hiring process is simple. If you are interested in learning more about hiring please contact the Health Information Science Co-op office hiscoop@uvic.ca

**Co-op Funding Opportunities**

**Co-op Funding Update: BioTalent**

The Federal government’s Student Work Placement Program (SWPP) provides up to 50% of the student’s wages (to a maximum of $5,000) or 70% (to a maximum of $7,000) for students from underrepresented groups which includes female STEM students, first year students, indigenous students, student with a disability, visible minorities and newcomers to Canada.

SWPP has 12 funding partners who deliver the funding across Canada based on industry sector. Each funding partner has different application processes and there are some slight differences in criteria.

- Consider applying to BioTalent Canada

Employers, uncertain if your job qualifies? Contact Colleen at 1-866-243-2472, ext. 218 or askme@biotalent.ca

- You have to apply for the funding before the student starts their job.
• Multiple grants are possible eg. Hire two students and receive two grants.
• Student eligibility: This Federal program is only available to students who are Canadian citizens, Permanent Residents or students who have refugee status. International students are not eligible for this funding.

Employers have told us that the application process takes 15-20 minutes to complete. Grants are allocated on a first-come, first-served basis so you are encouraged to apply as soon as possible. Should you not find a suitable student for your position, simply inform the funding partner that you do not need the grant.

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**Donors**

**Denis and Pat Protti Endowment Award**

In 2004, a group of generous donors came together to honour Denis and Pat Protti’s contributions to the Canadian healthcare system.

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Please let us know if you have any feedback @ hinfworkstudy@uvic.ca

We acknowledge and respect the lək̓ʷəŋən peoples on whose traditional territory the University of Victoria stands, and the Songhees, Esquimalt and W̱SÁNEĆ peoples whose historical relationships with the land continue to this day.

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